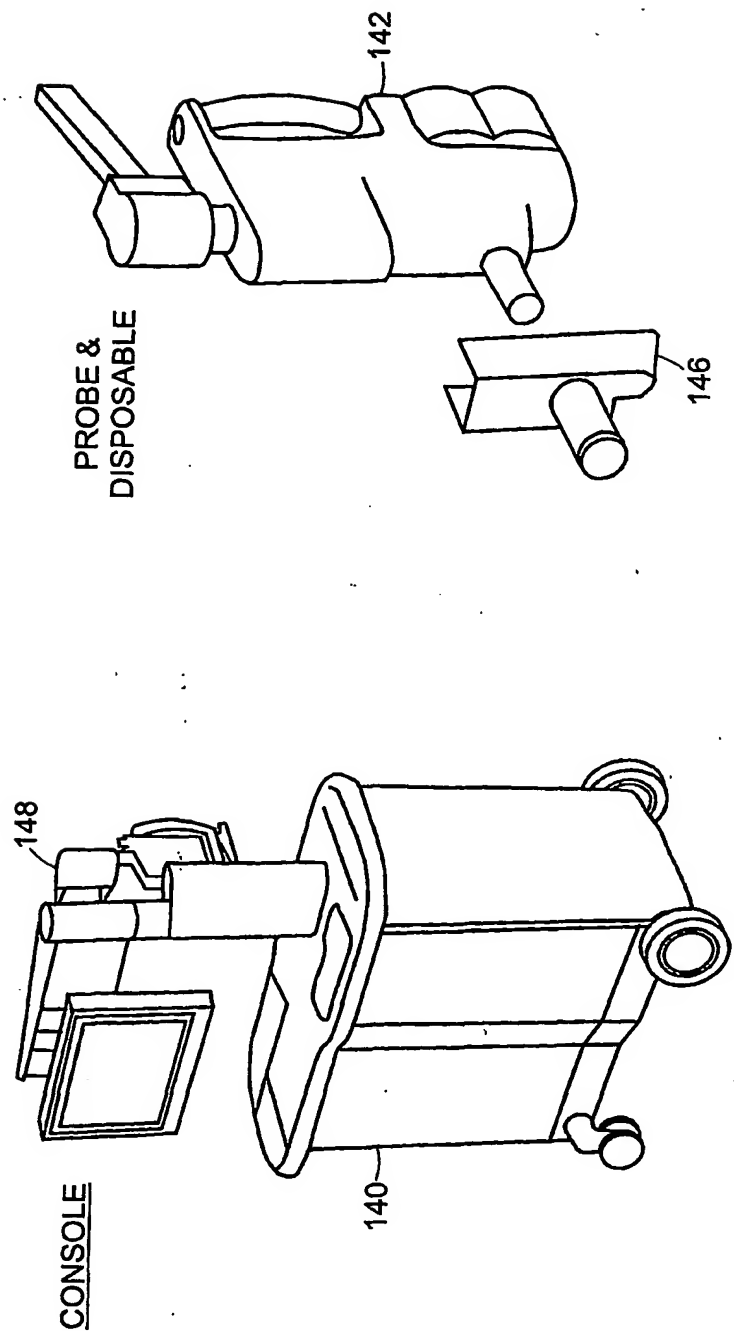


FIG. 1

BEST AVAILABLE COPY



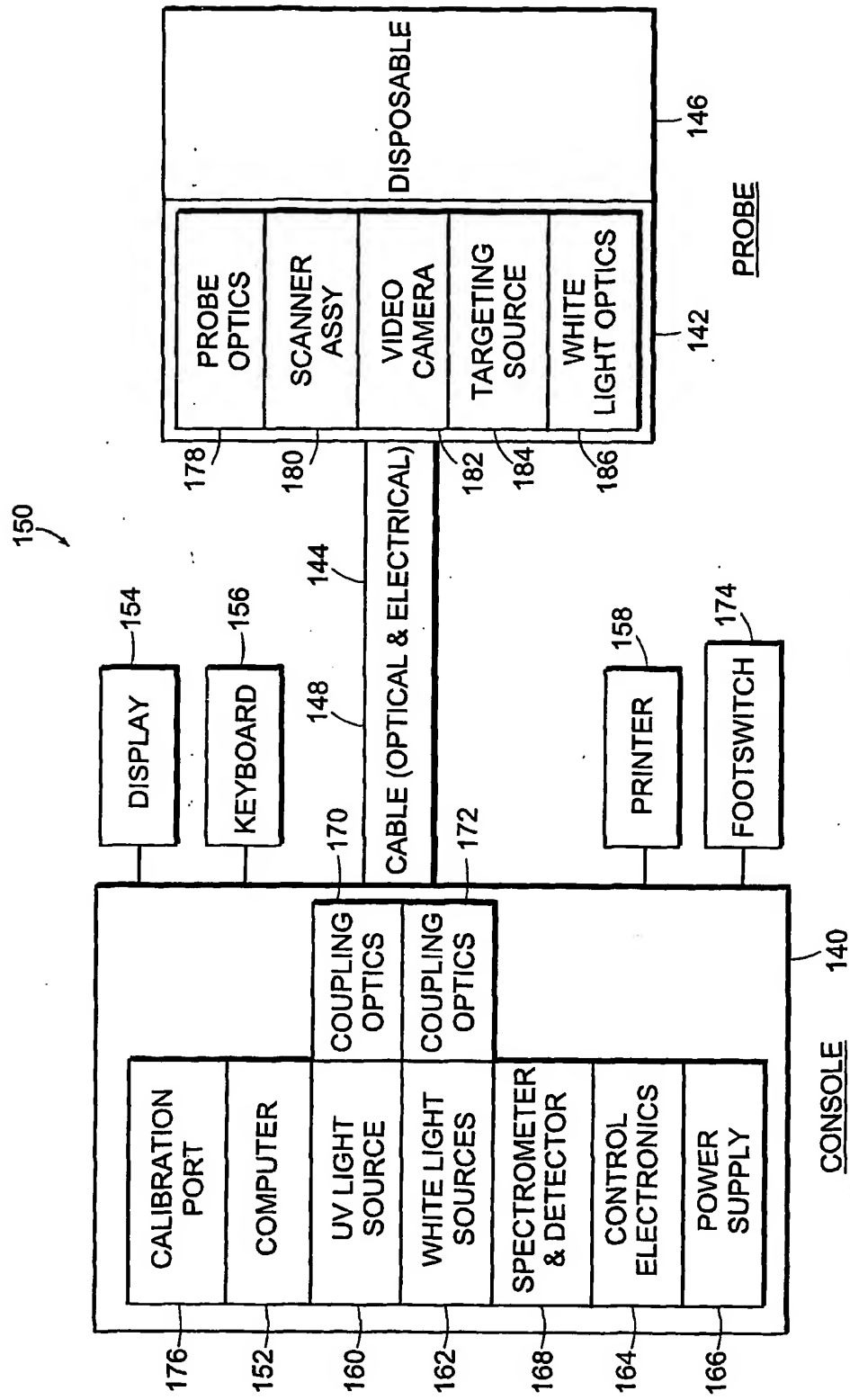
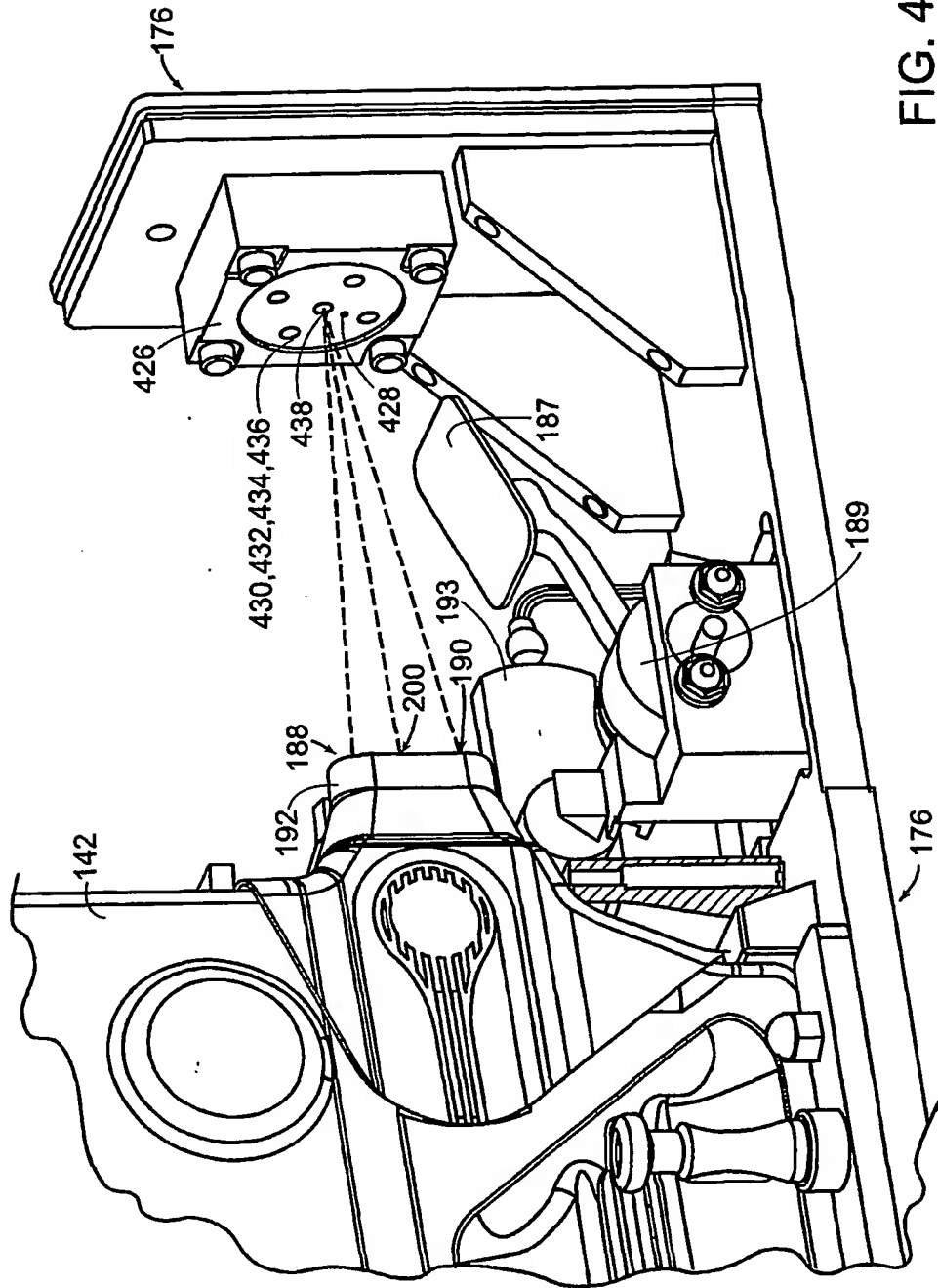


FIG. 3





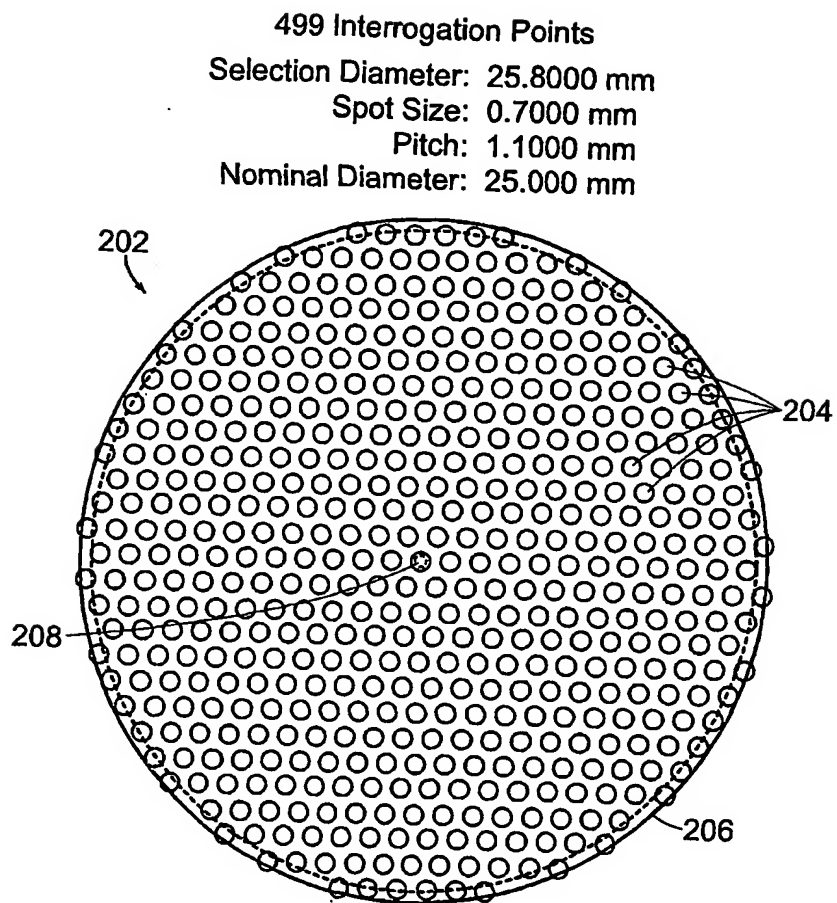


FIG. 5

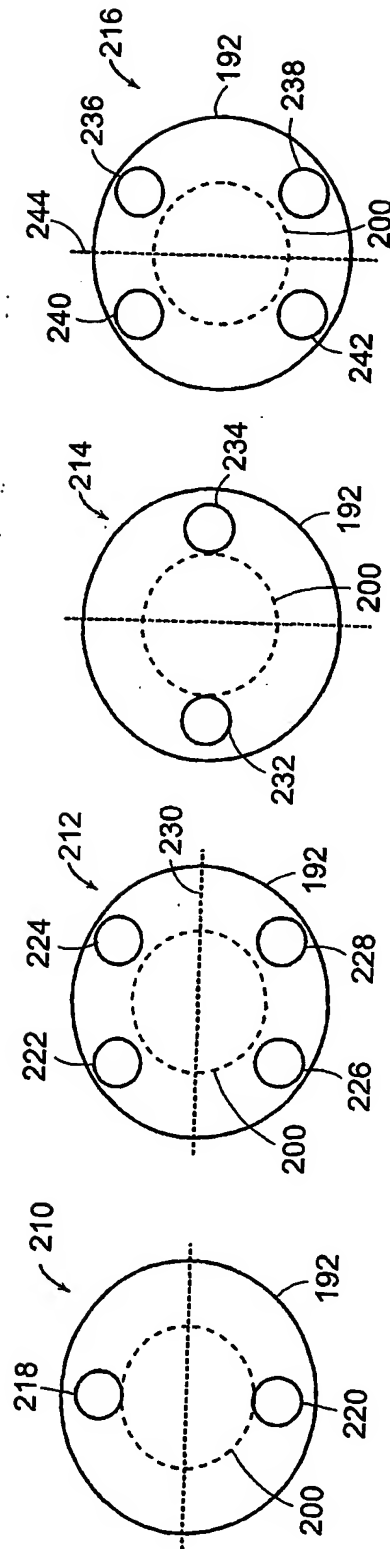


FIG. 6

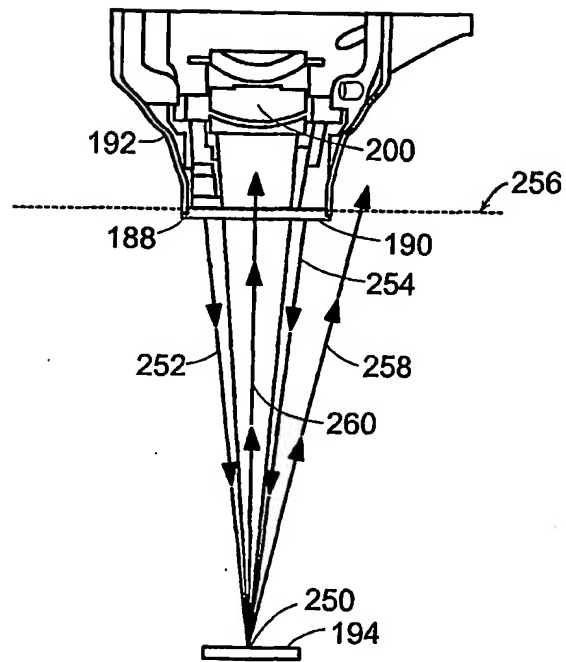
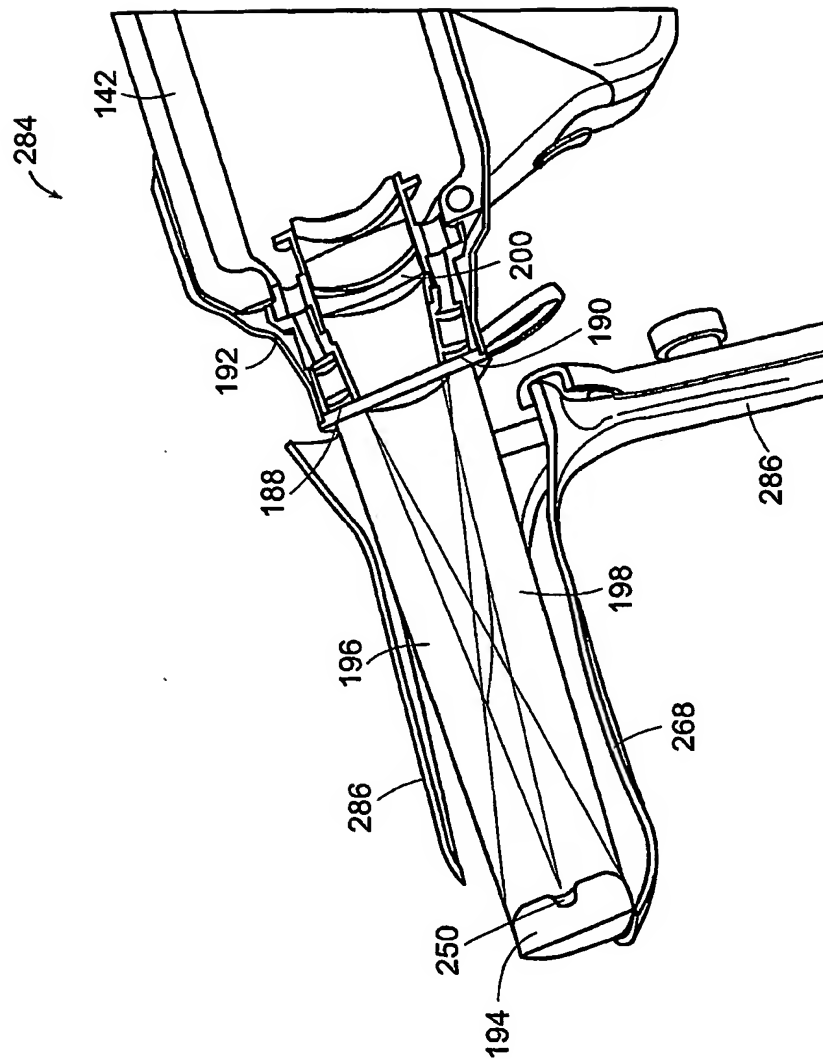


FIG. 7



**FIG. 8**

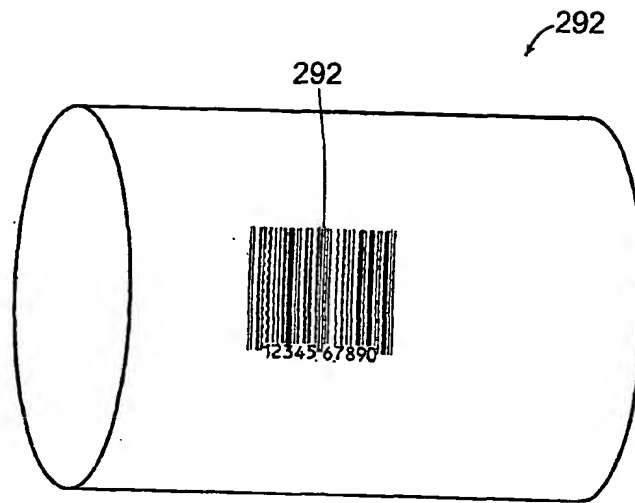


FIG. 9

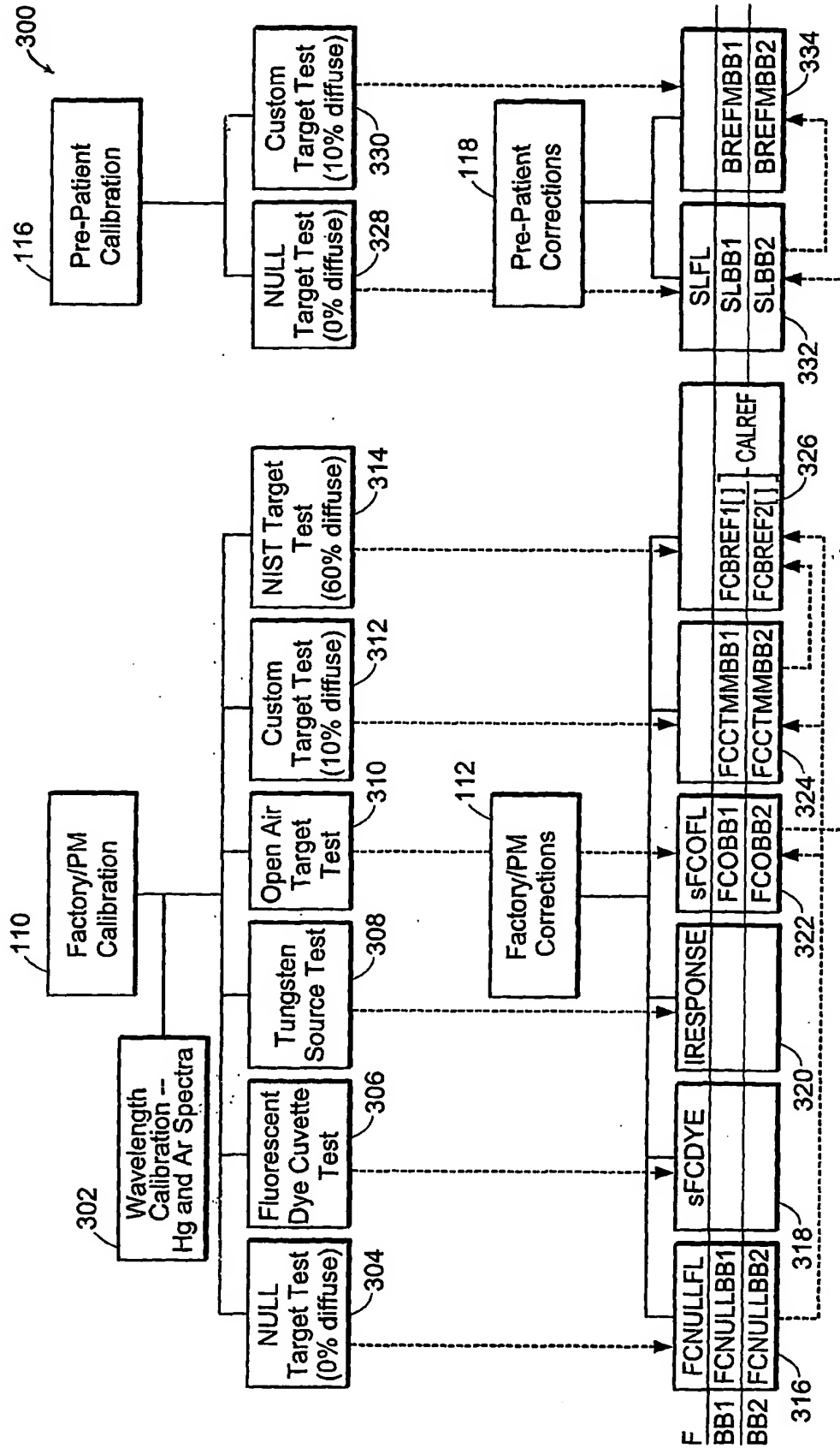


FIG. 10

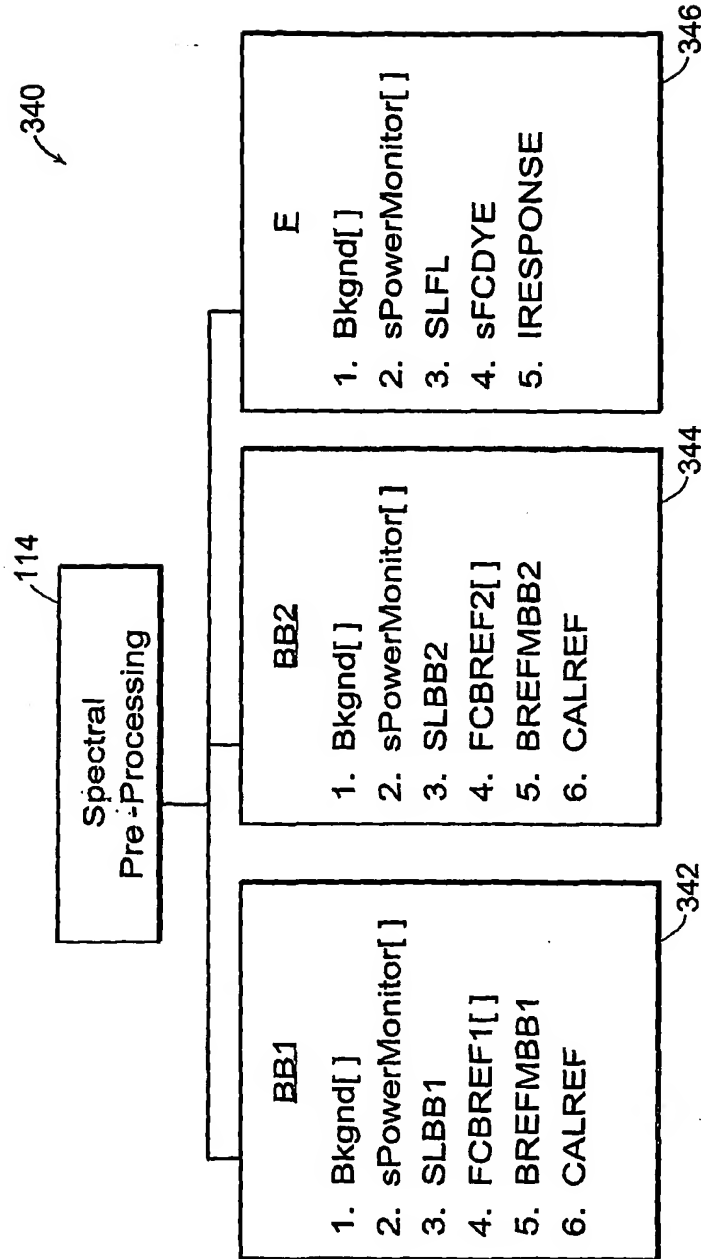


FIG. 11

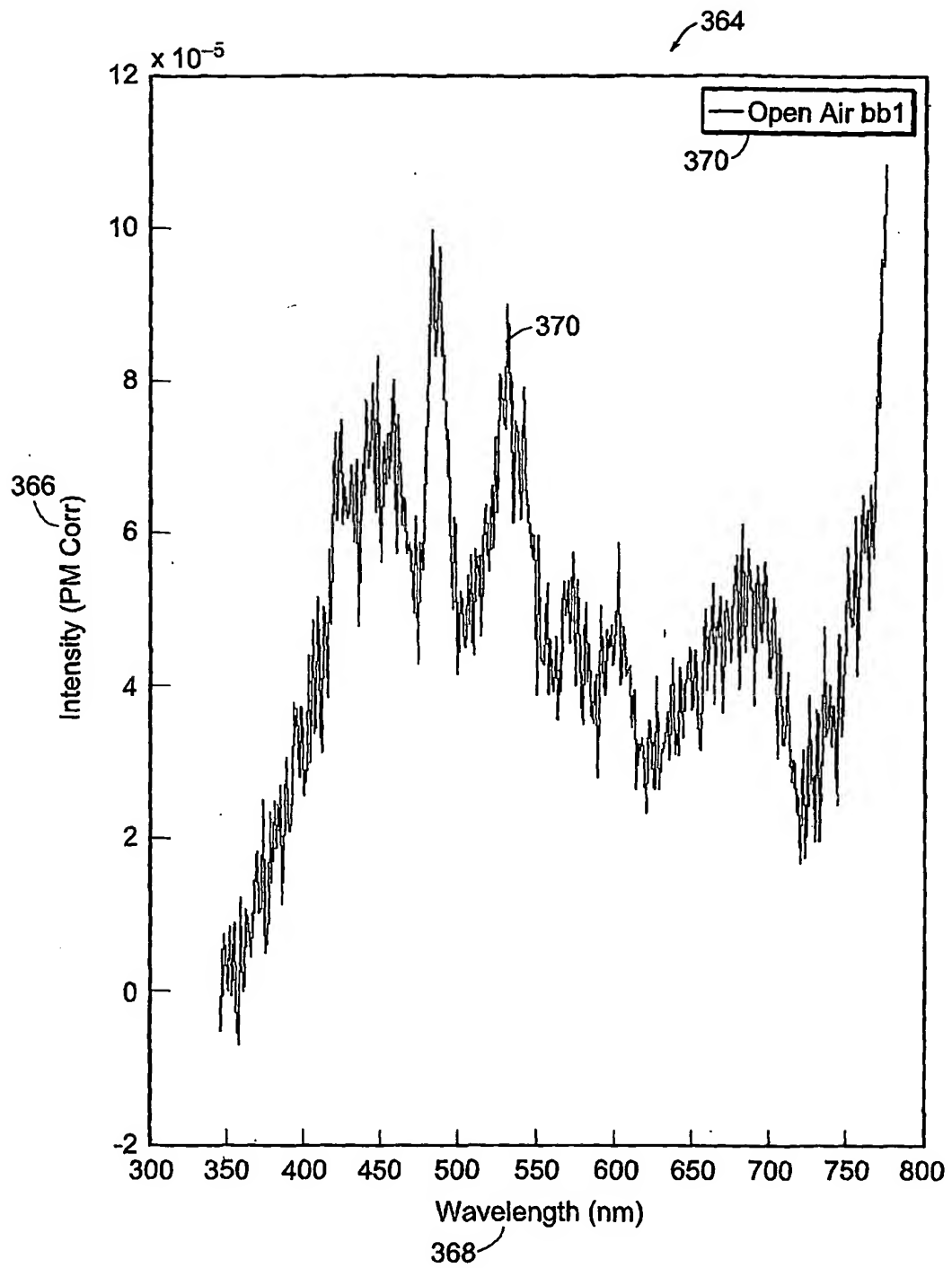


FIG. 12



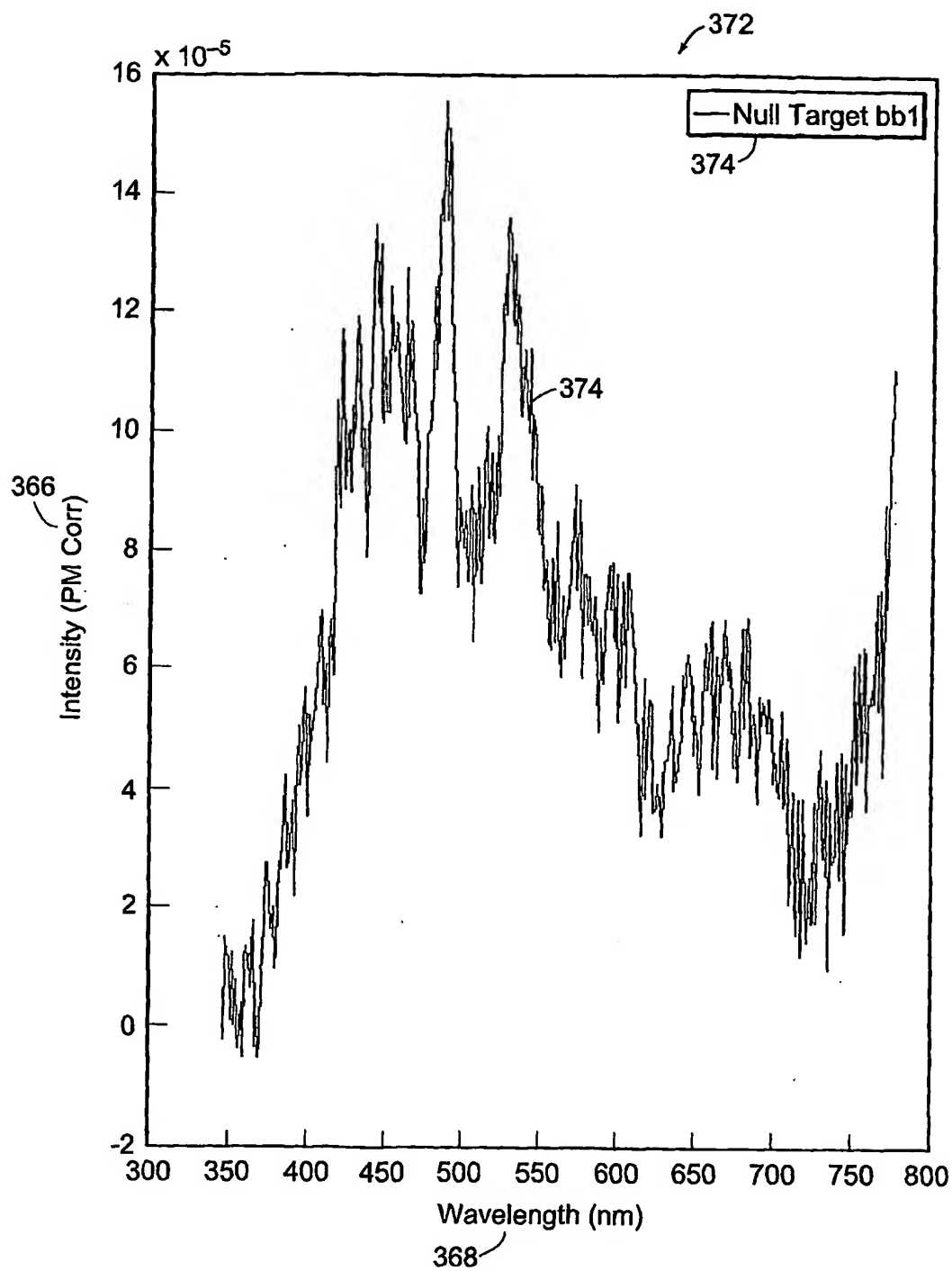


FIG. 13

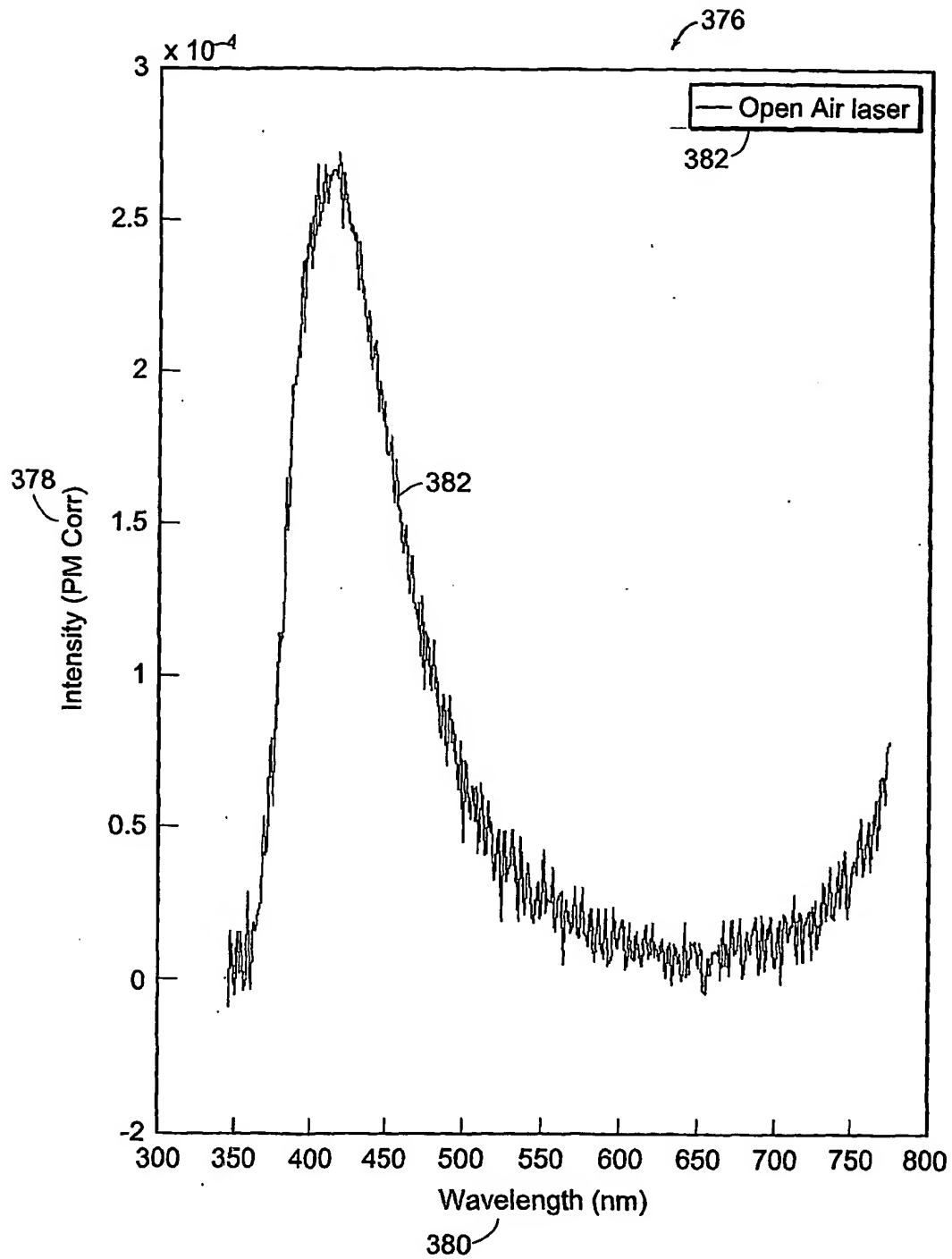


FIG. 14

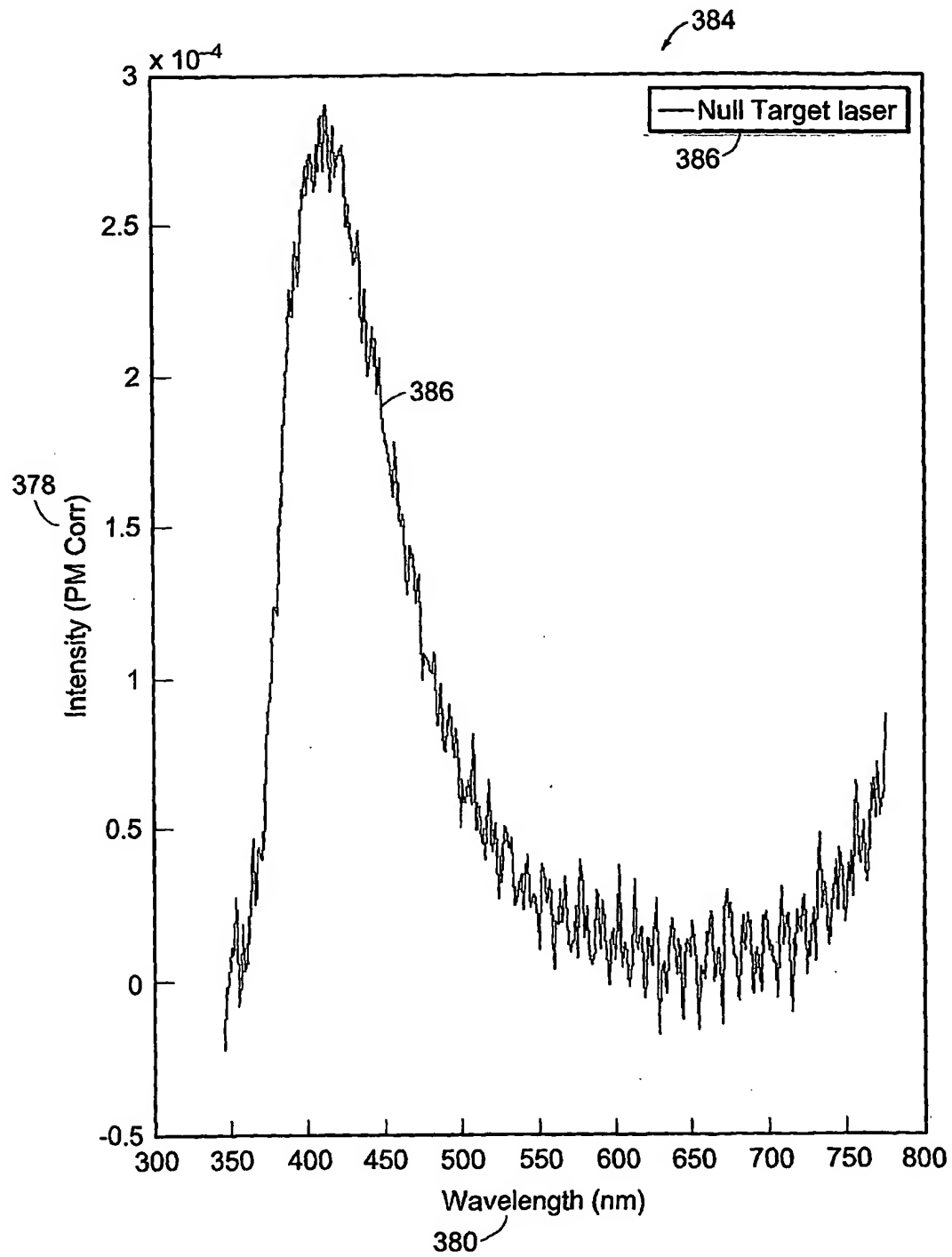
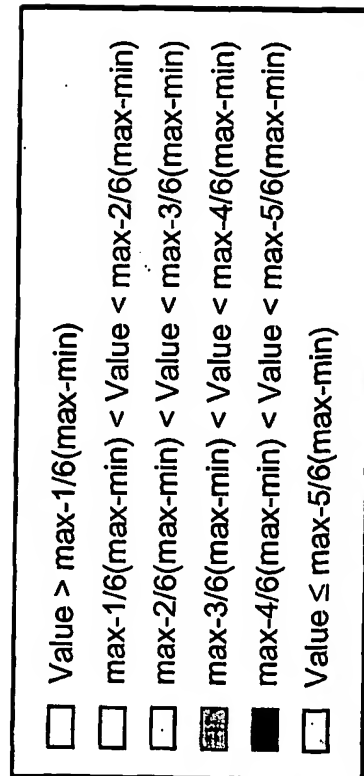
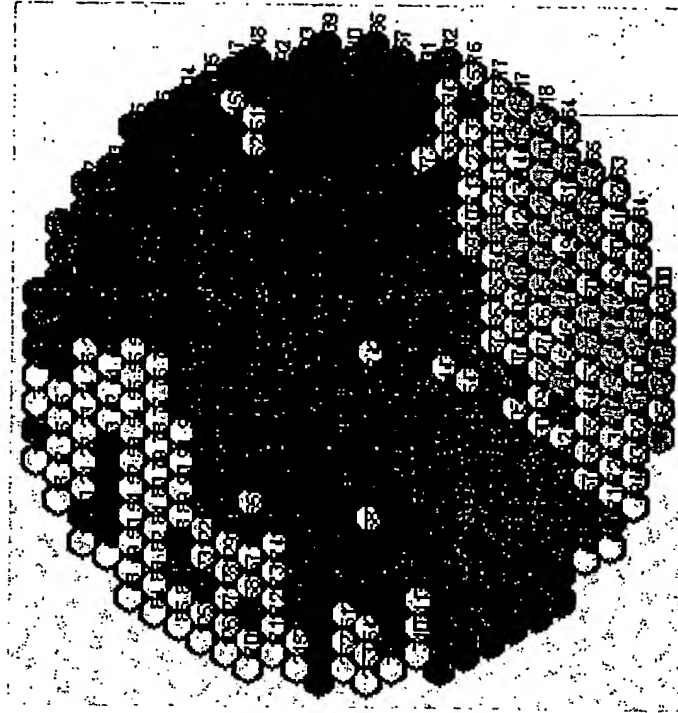


FIG. 15

390



Max Value: 0.034362  
Min Value: 0.015994

FIG. 16

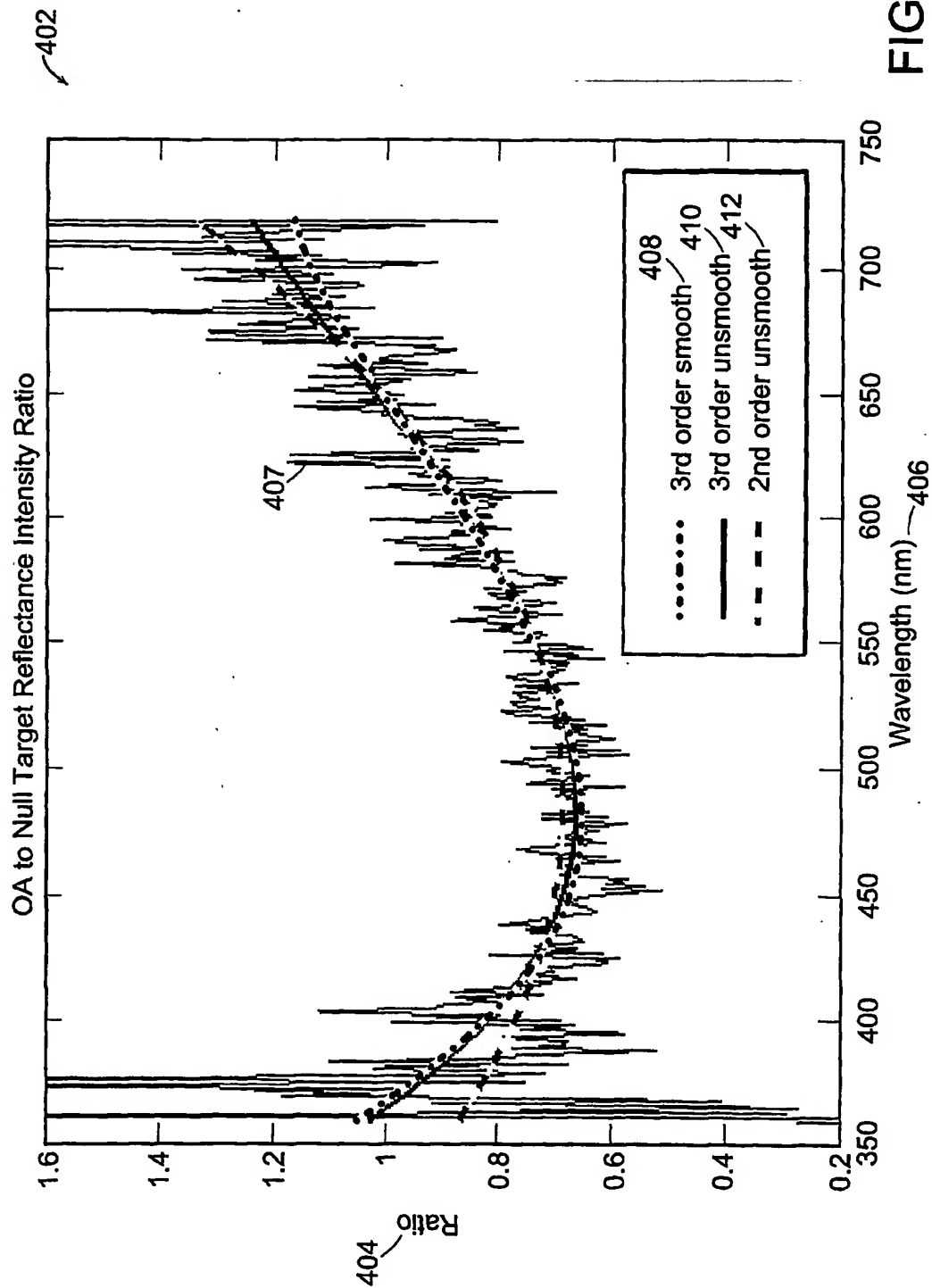


FIG. 17

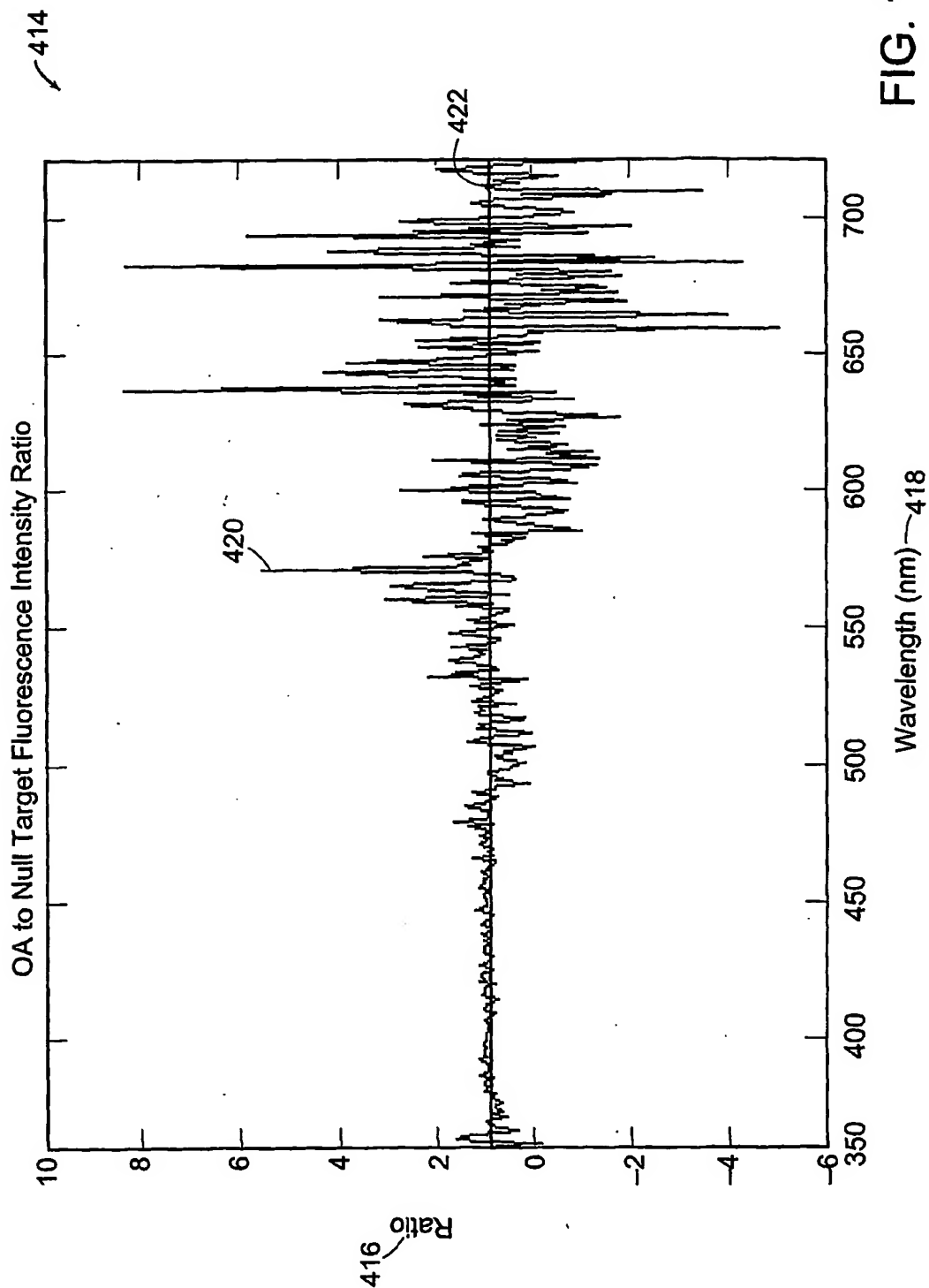


FIG. 18

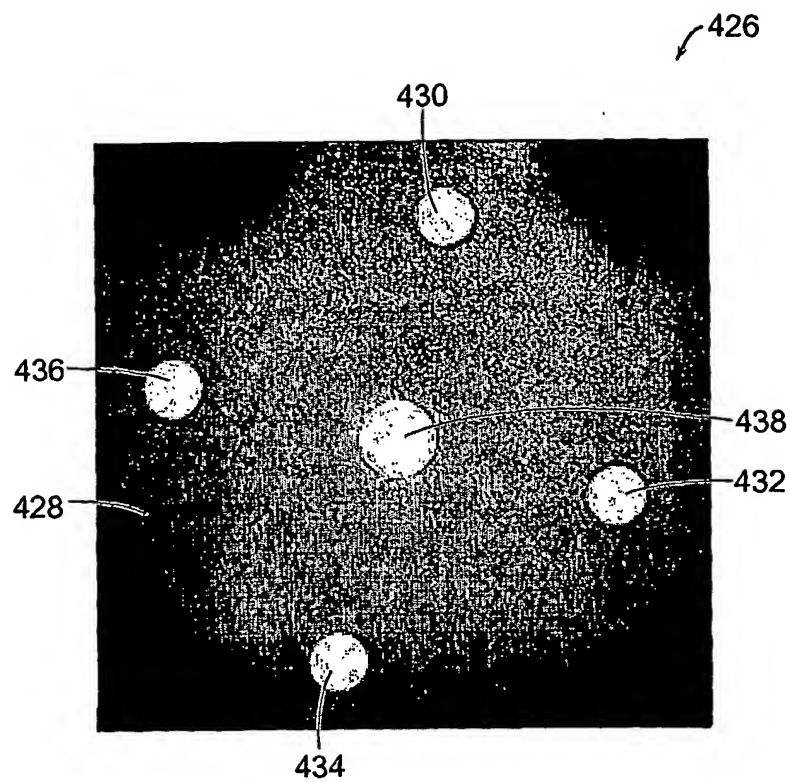


FIG. 19

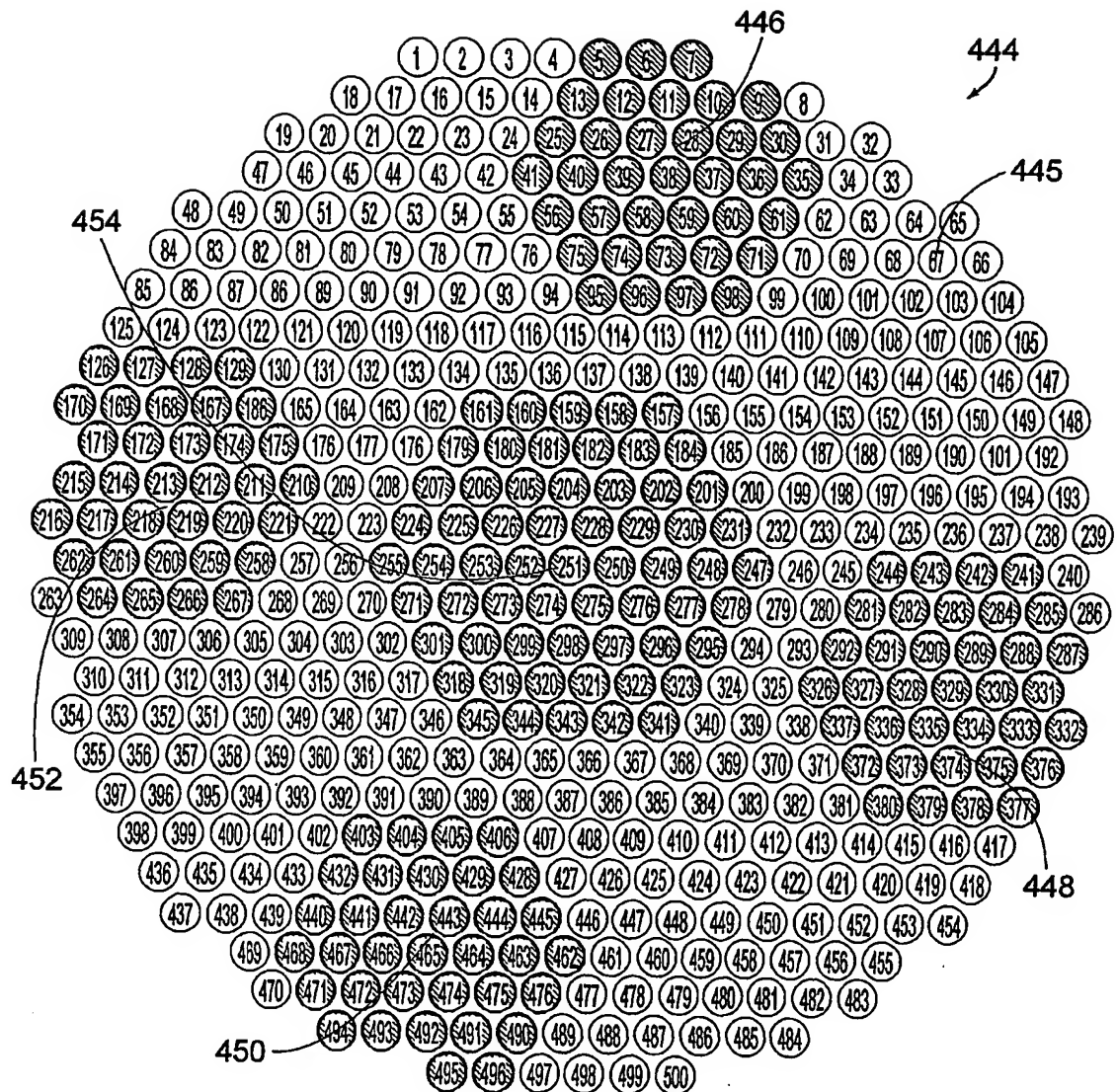


FIG. 20



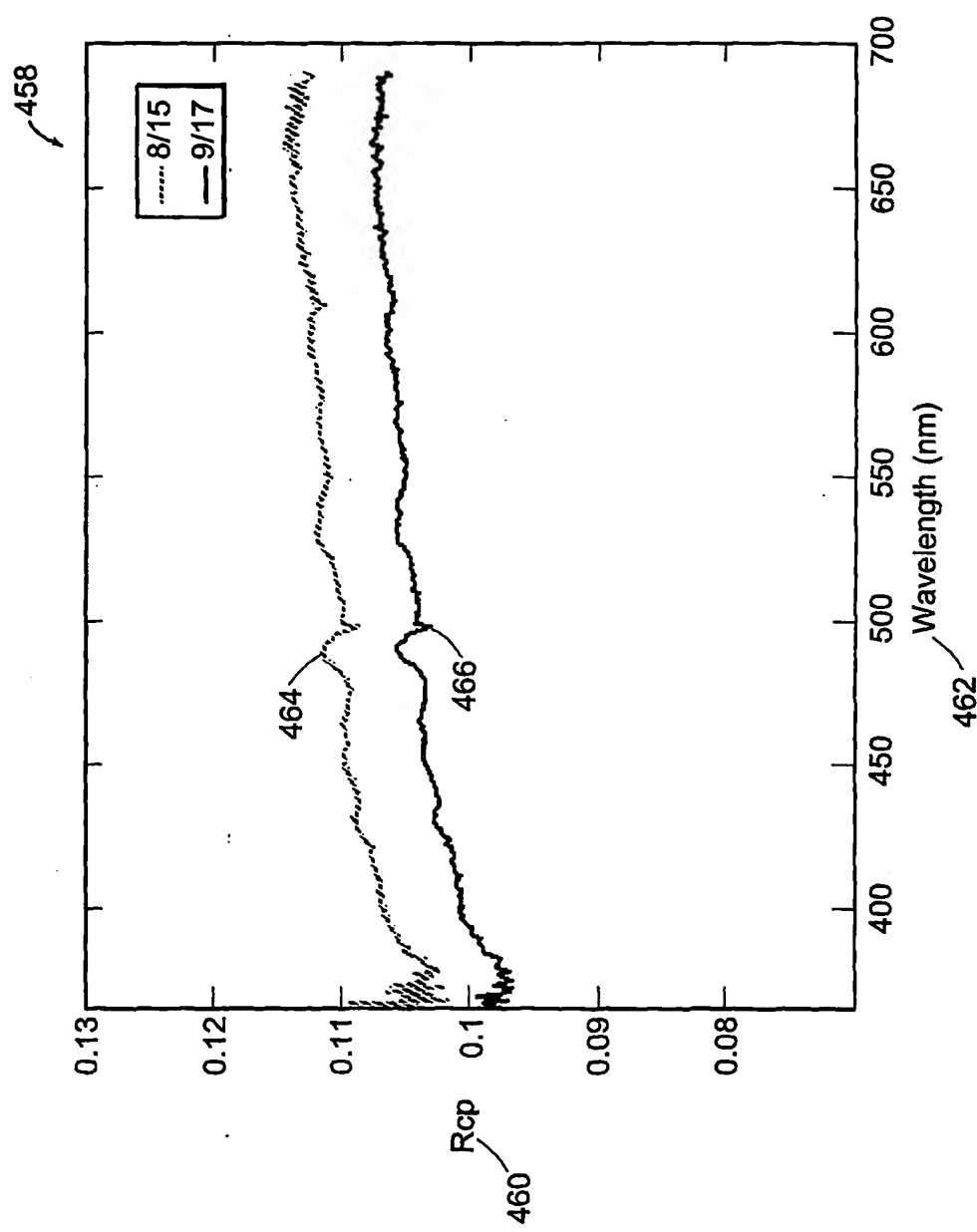
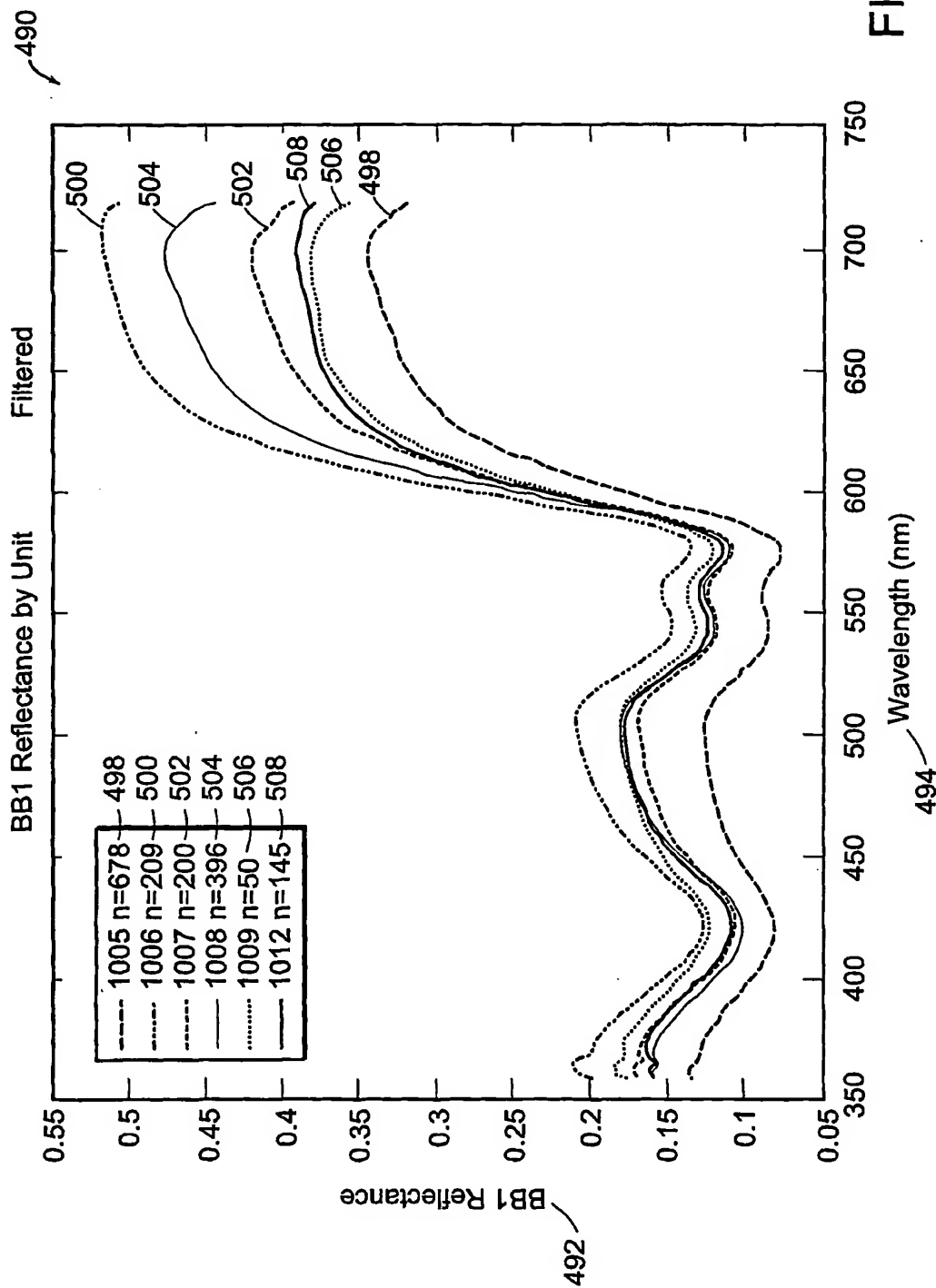


FIG. 21



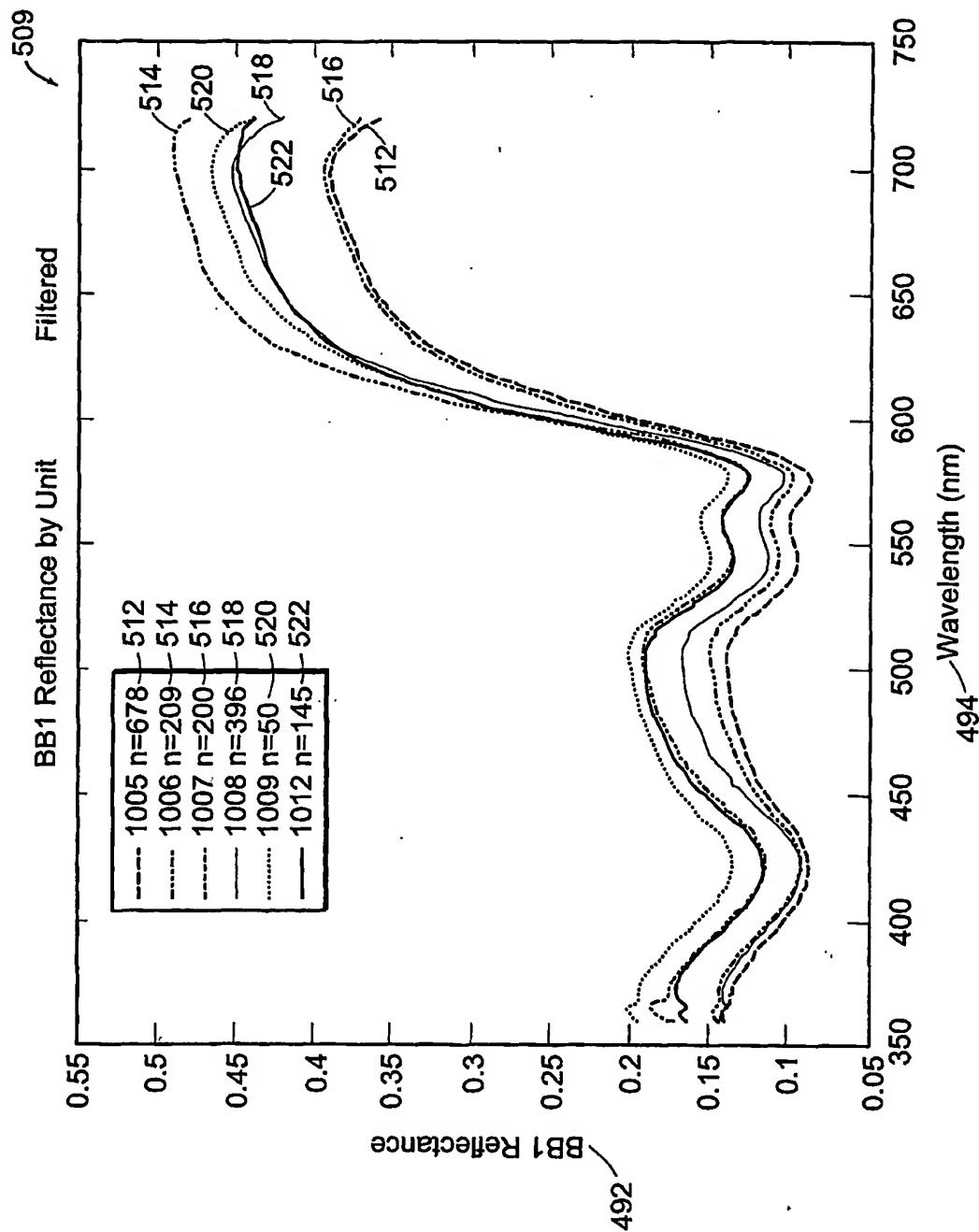


FIG. 22B

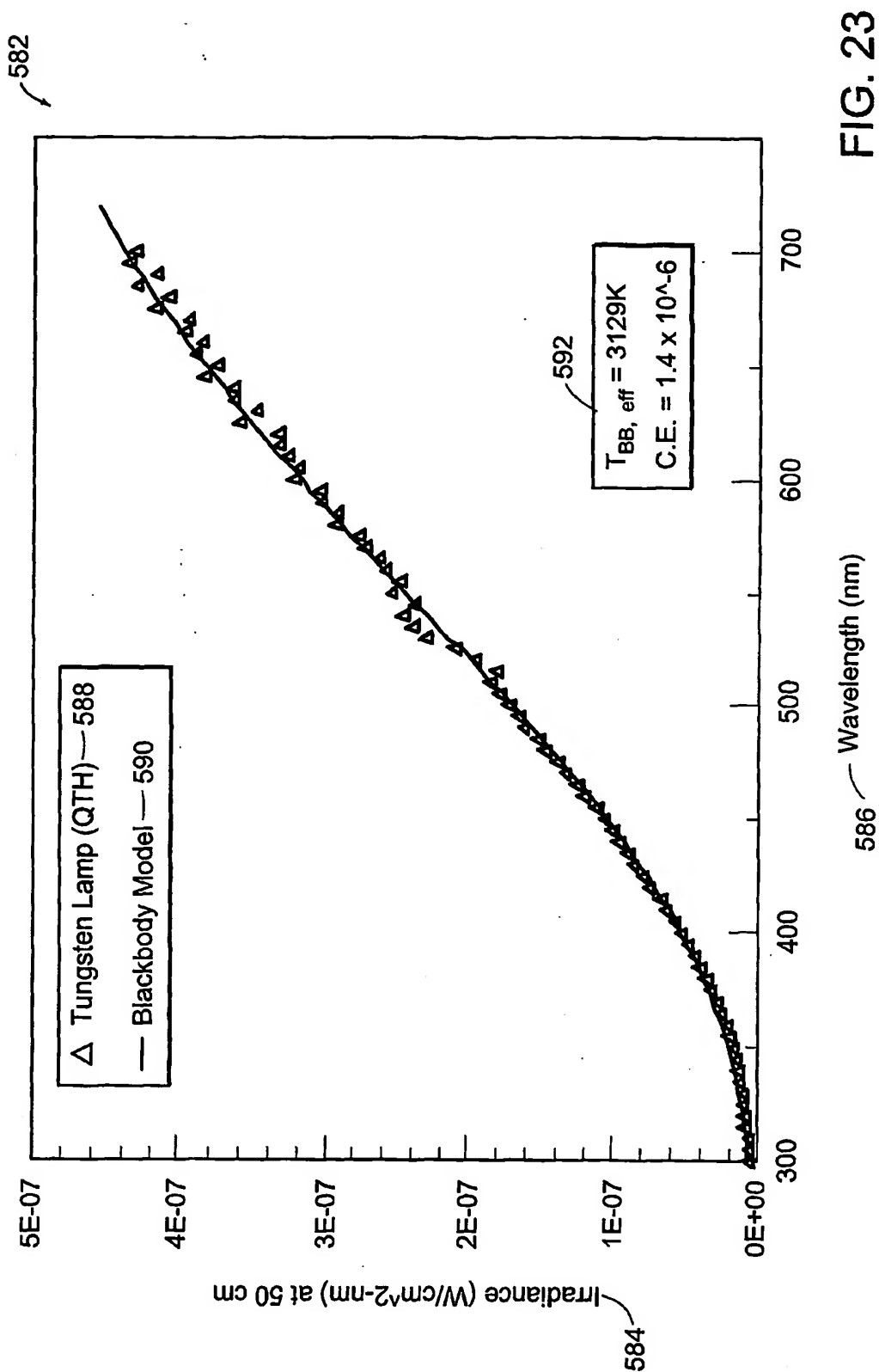


FIG. 23

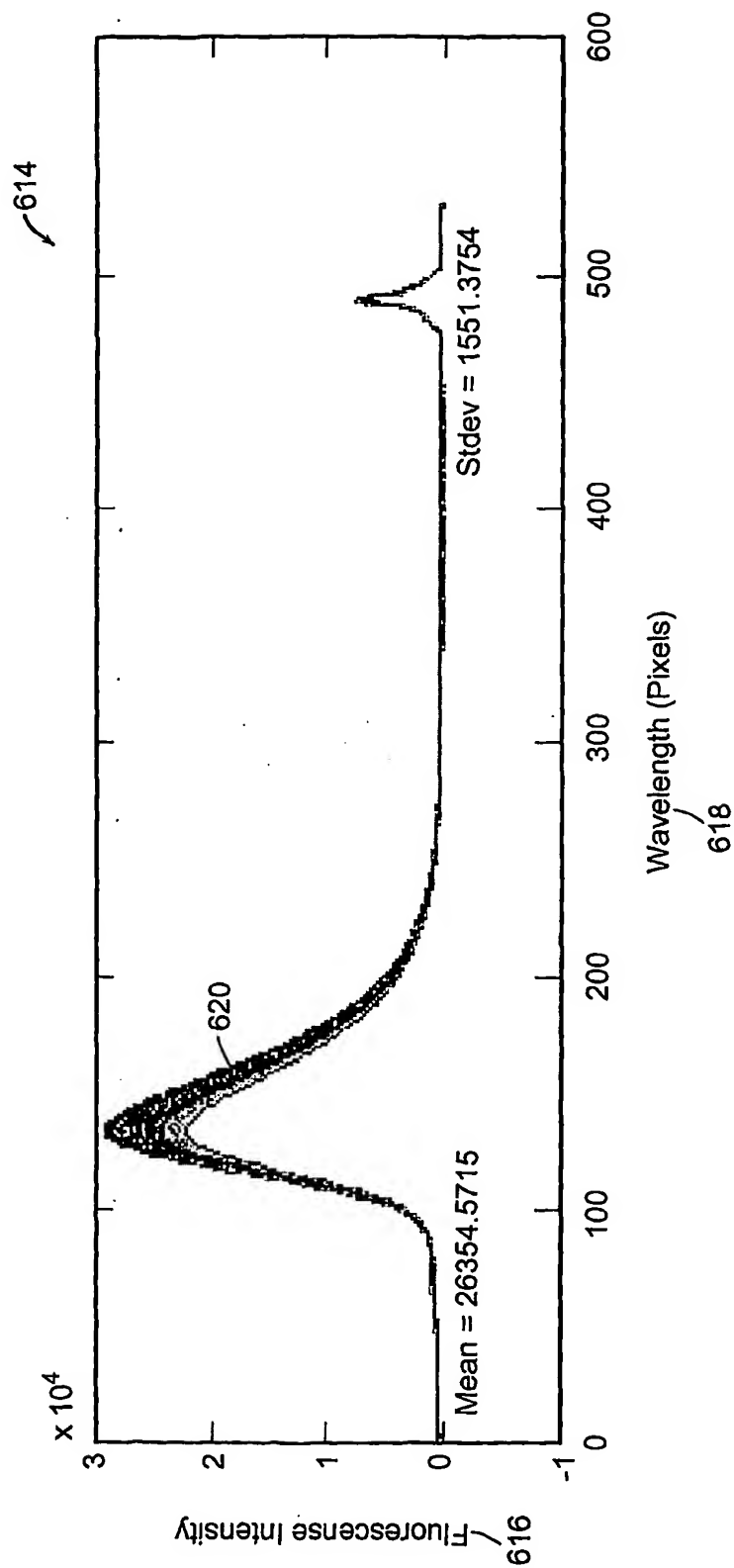


FIG. 24

10/530741

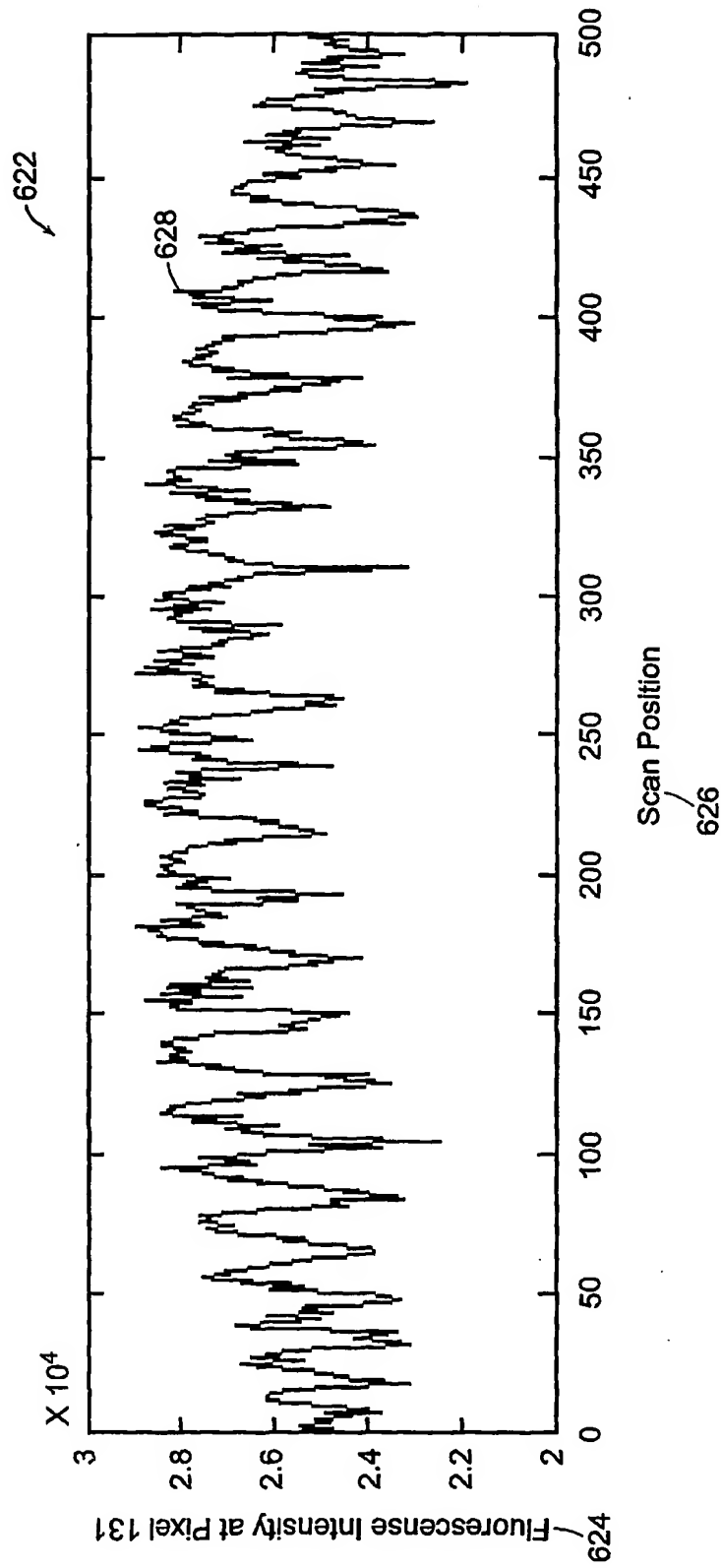


FIG. 25

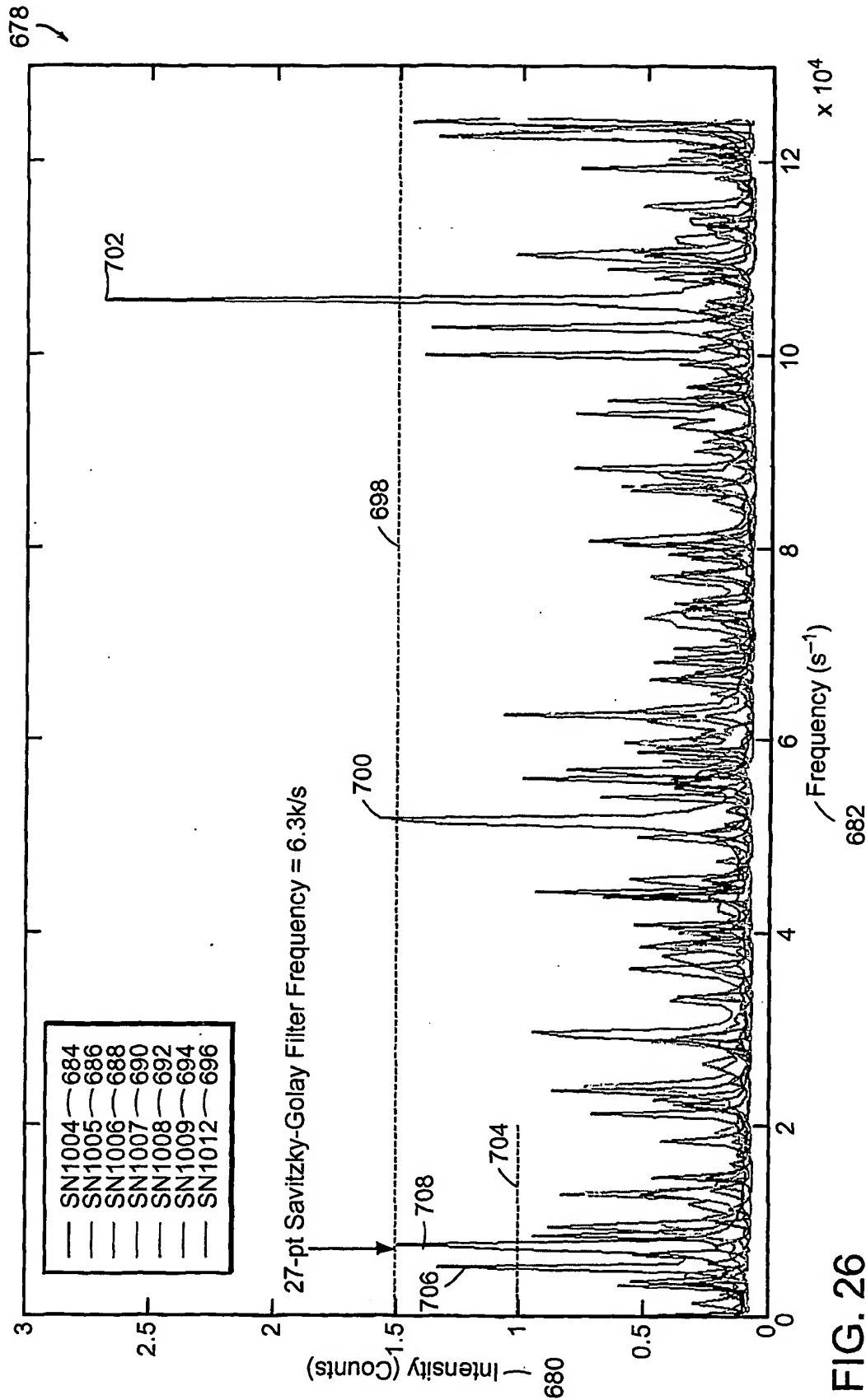


FIG. 26

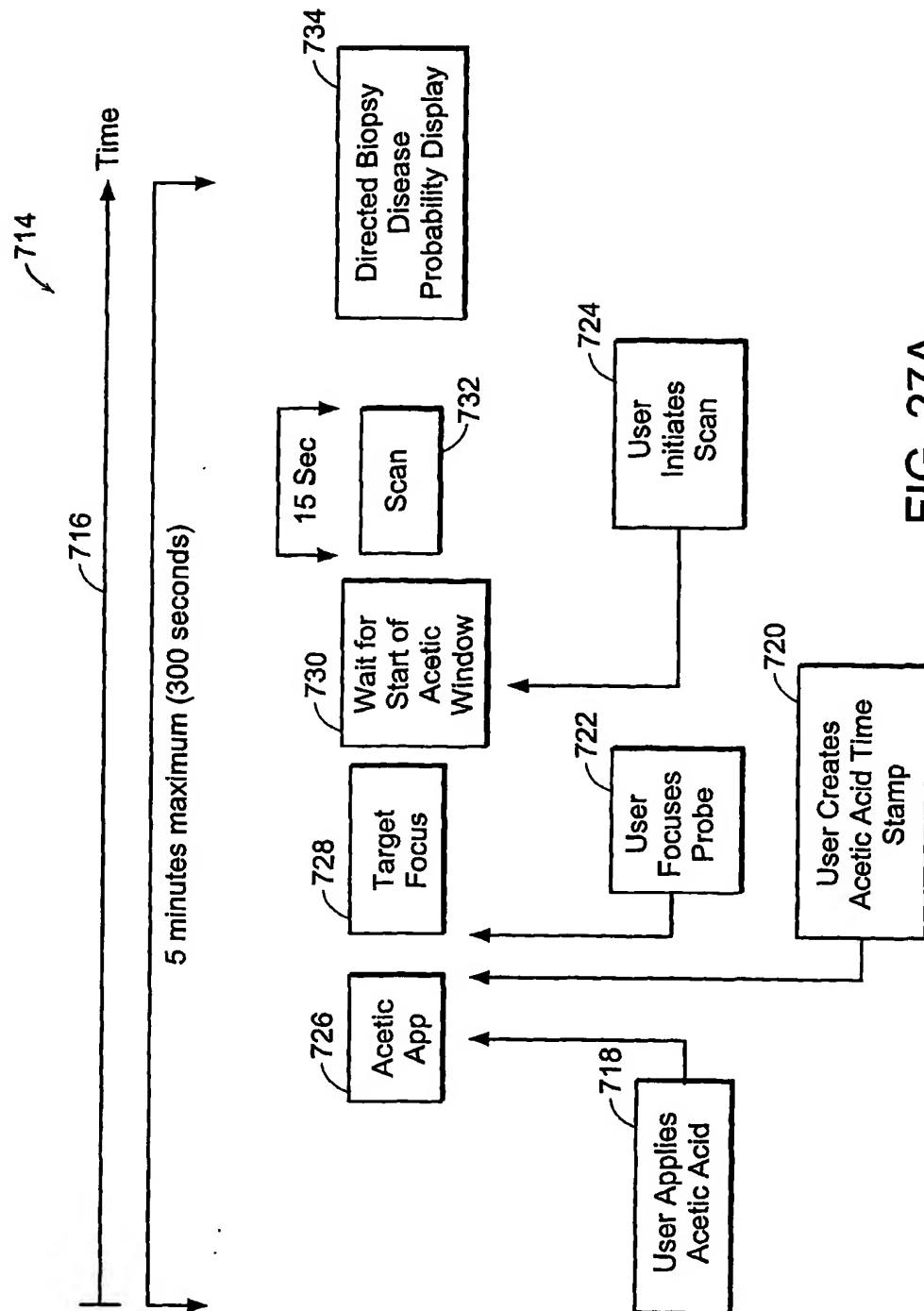


FIG. 27A



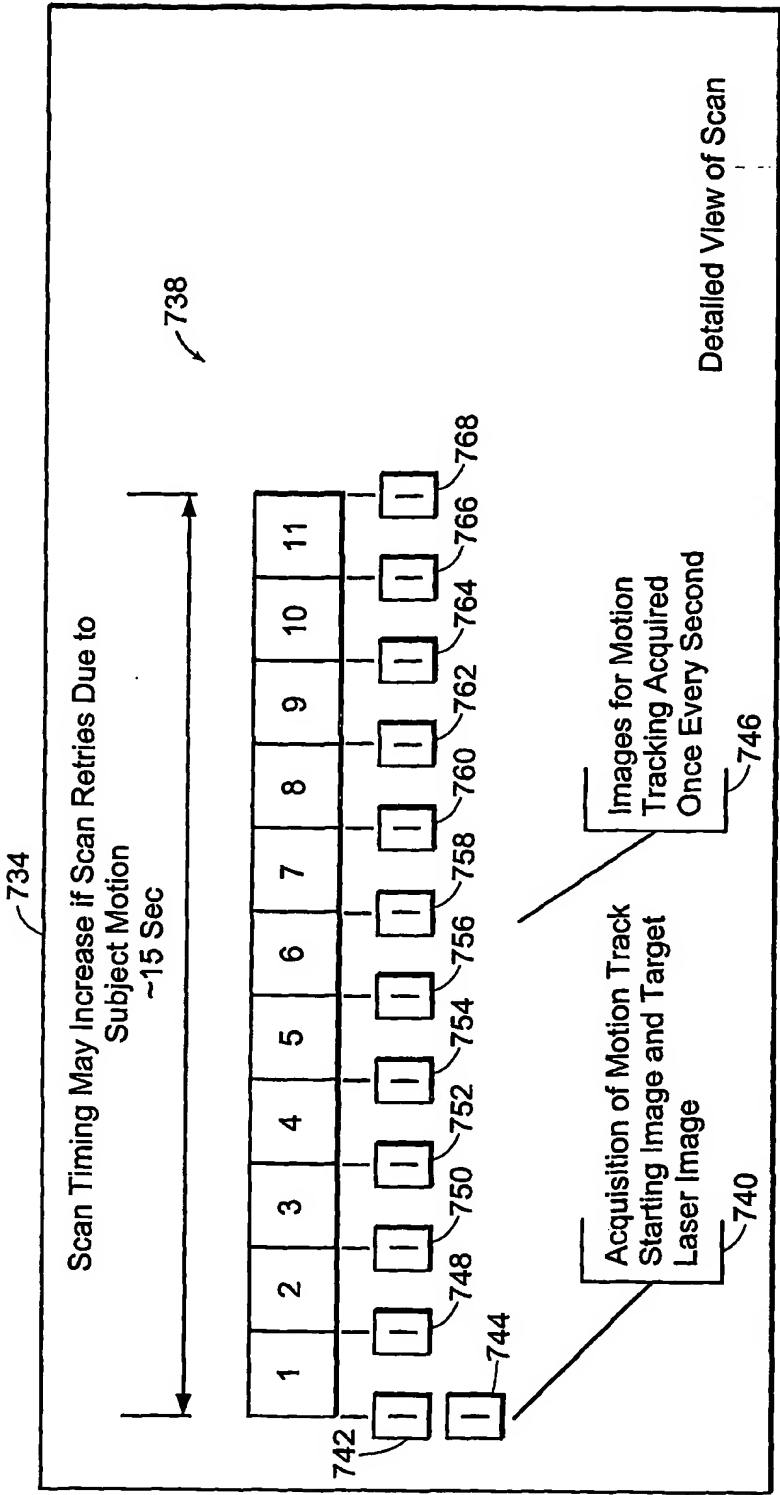


FIG. 27B

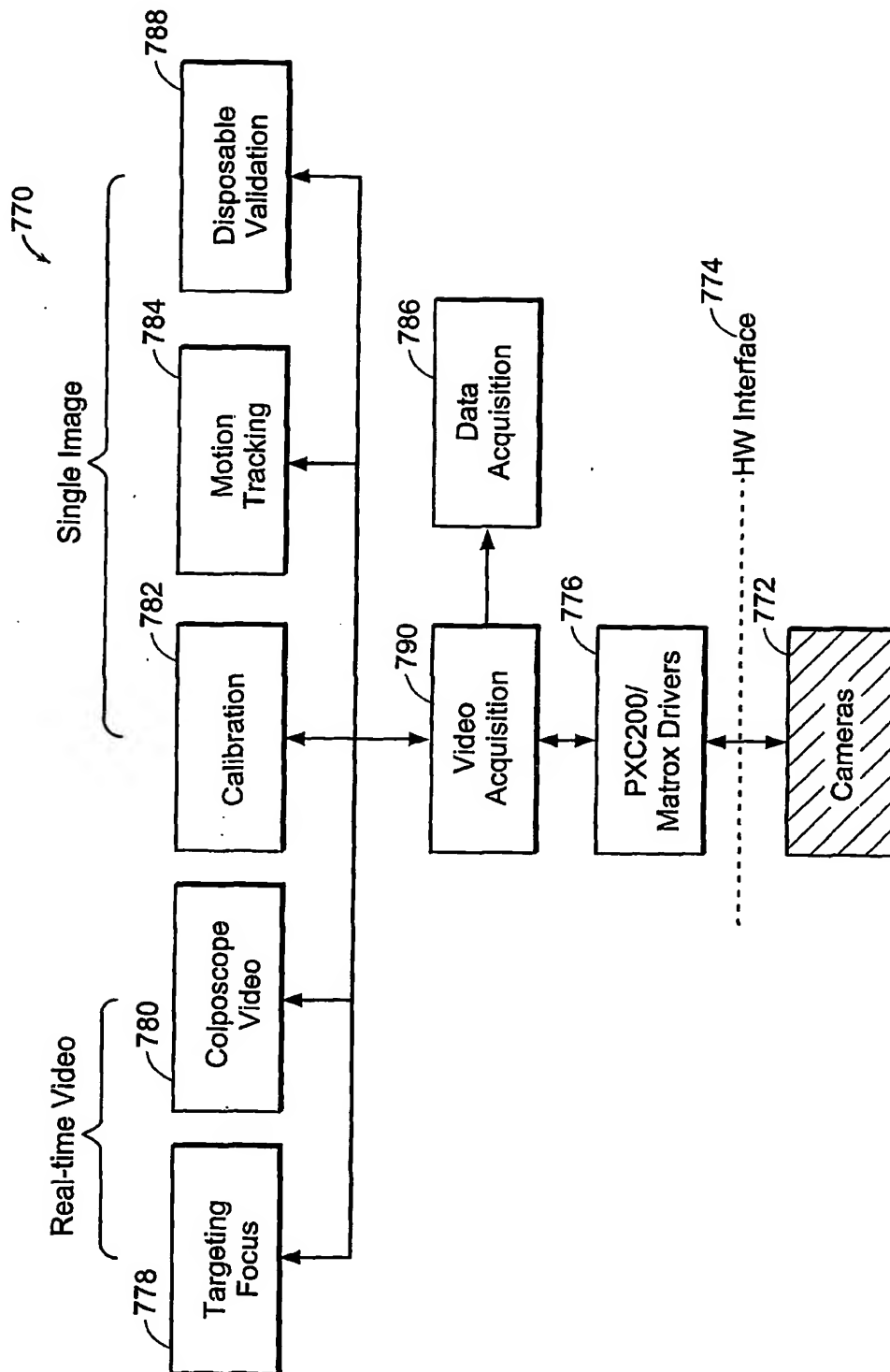


FIG. 28

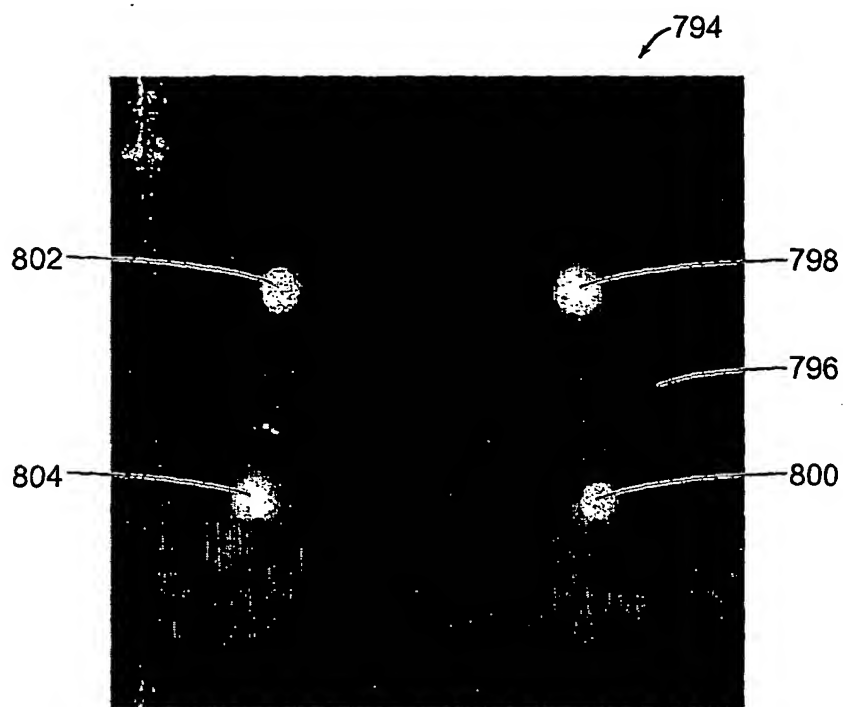


FIG. 29A

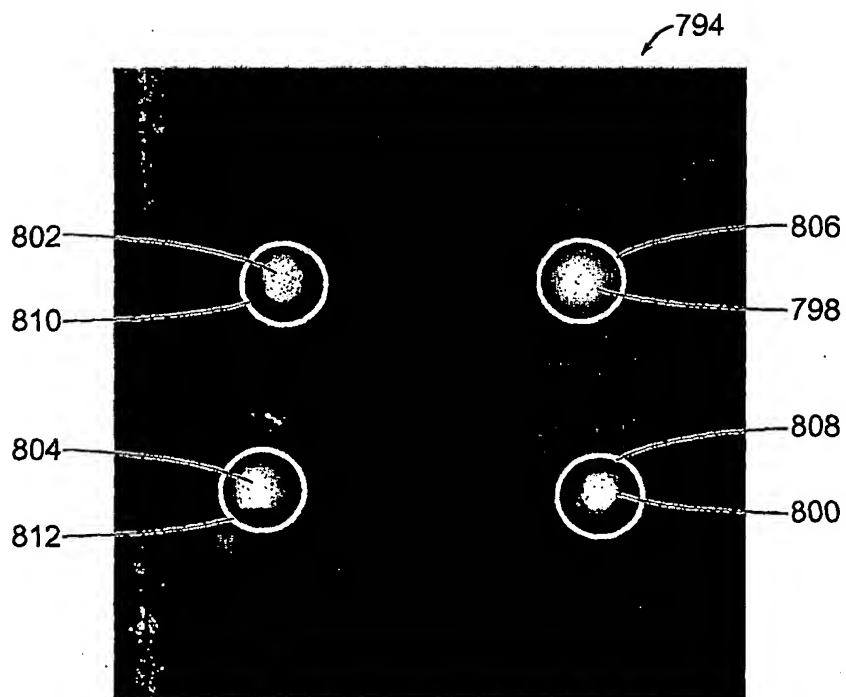


FIG. 29B

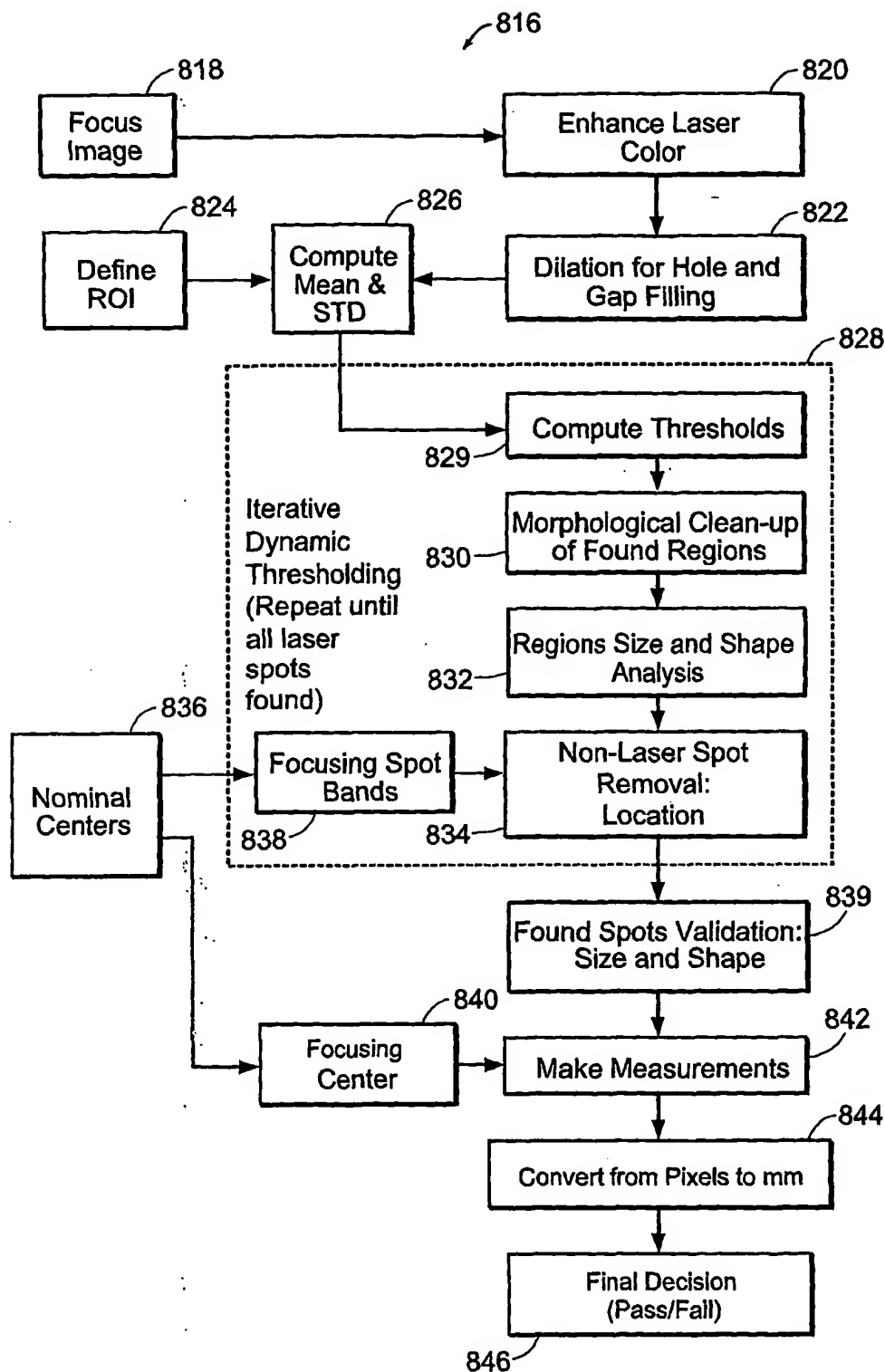


FIG. 30

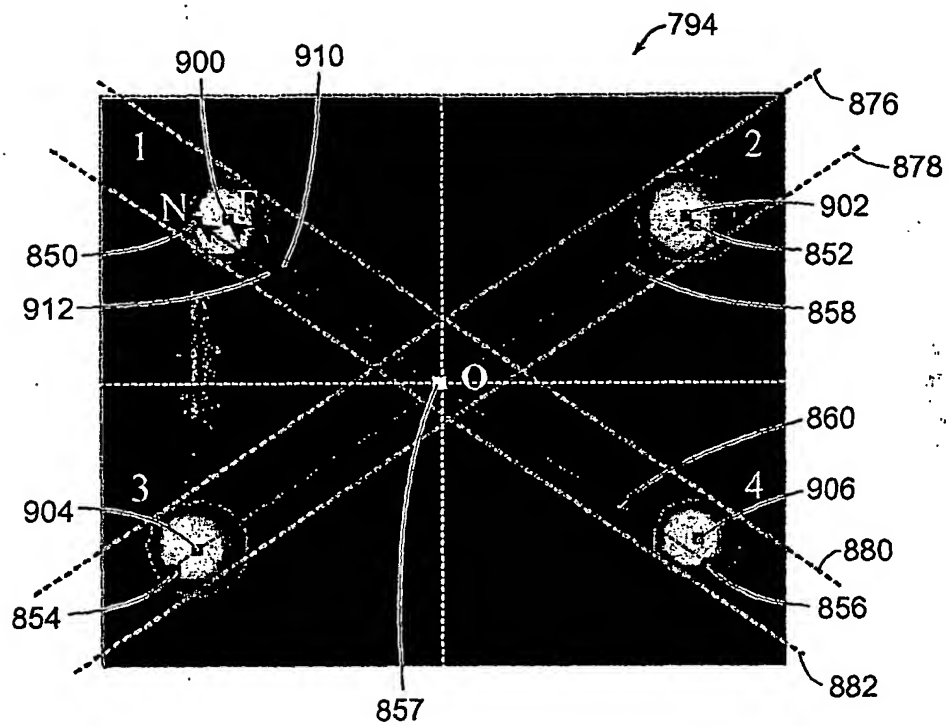


FIG. 31

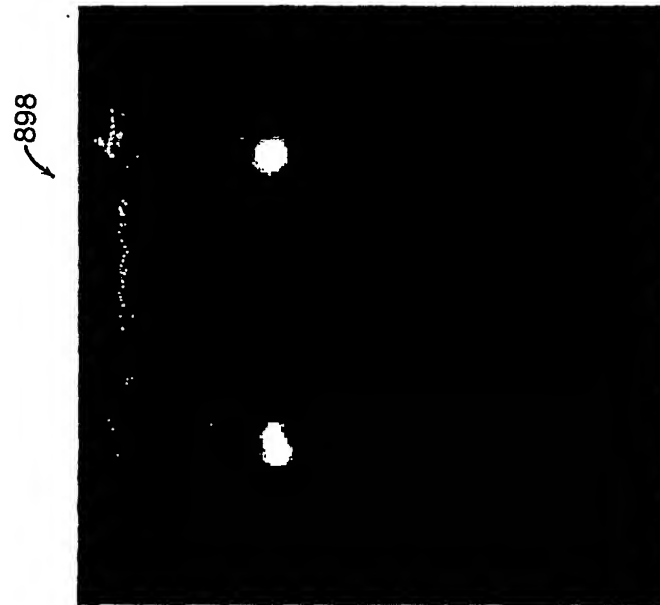


FIG. 32B

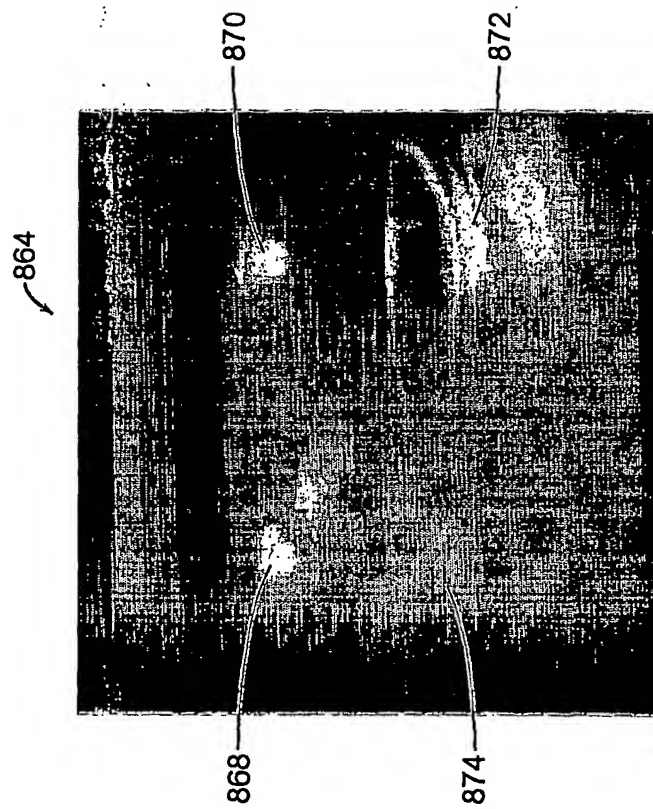


FIG. 32A

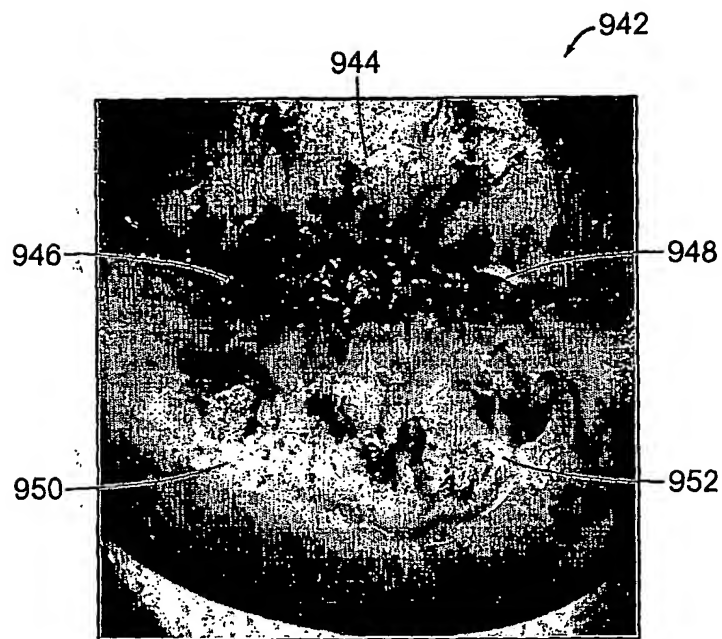
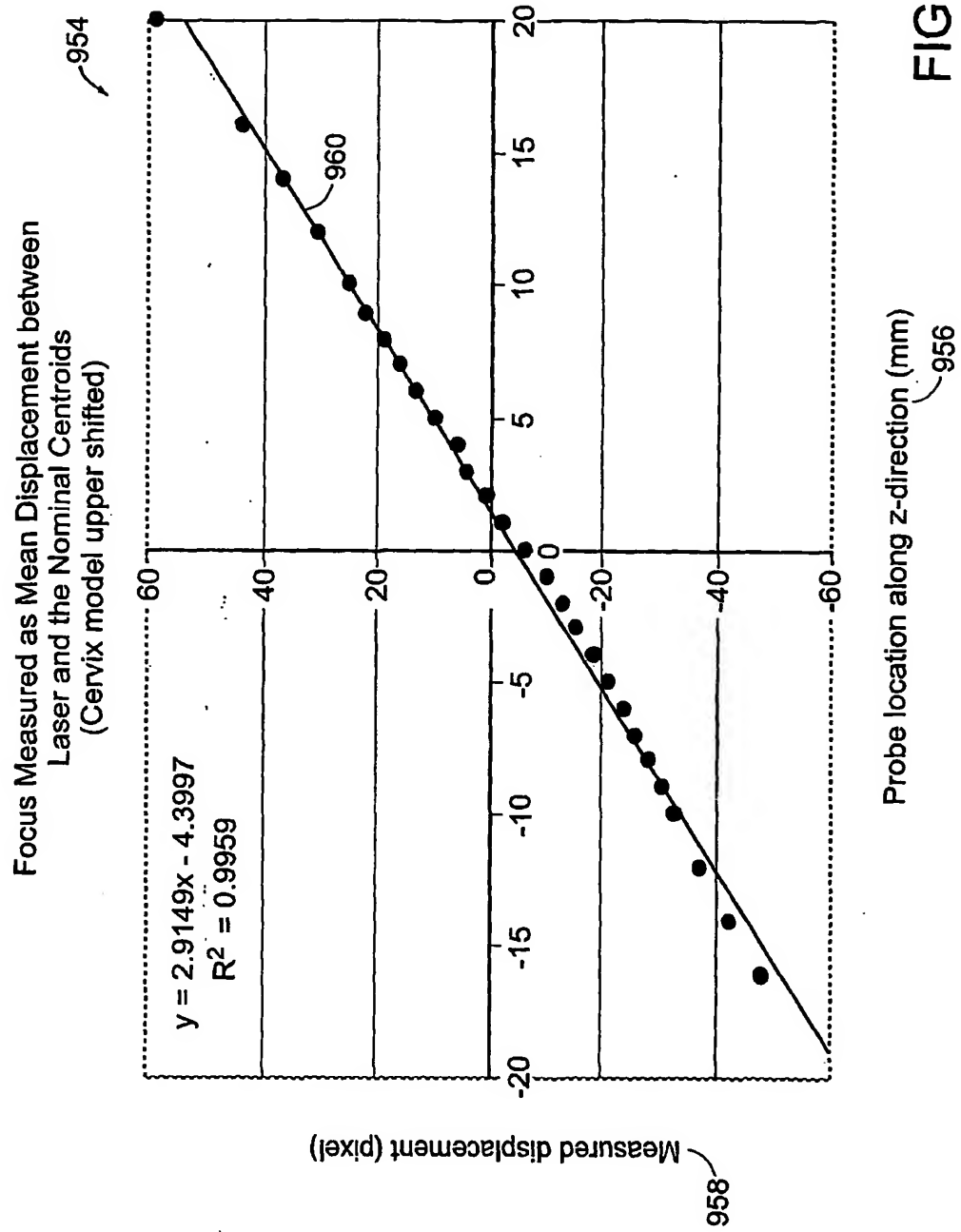


FIG. 33





10/530741

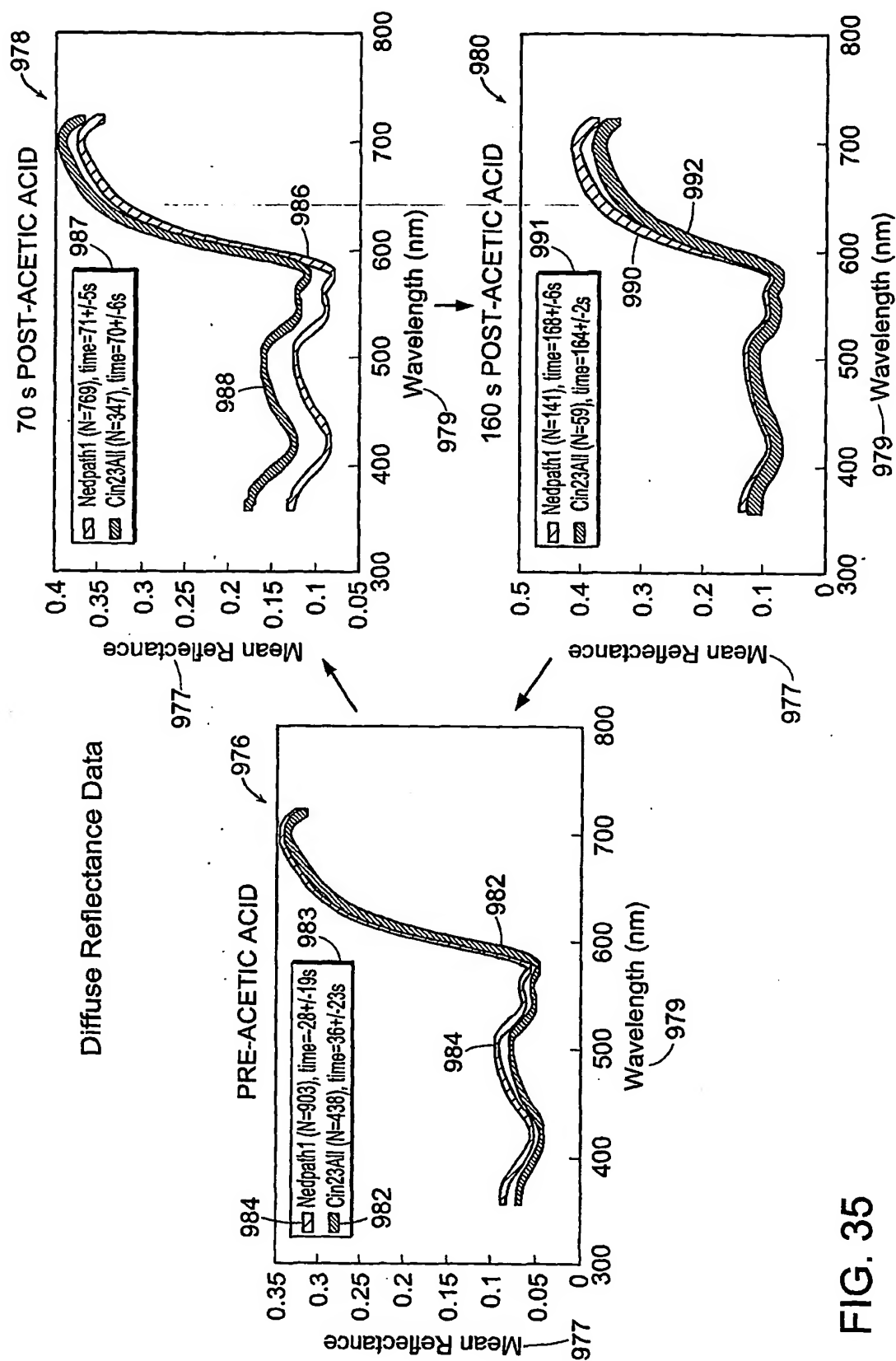


FIG. 35

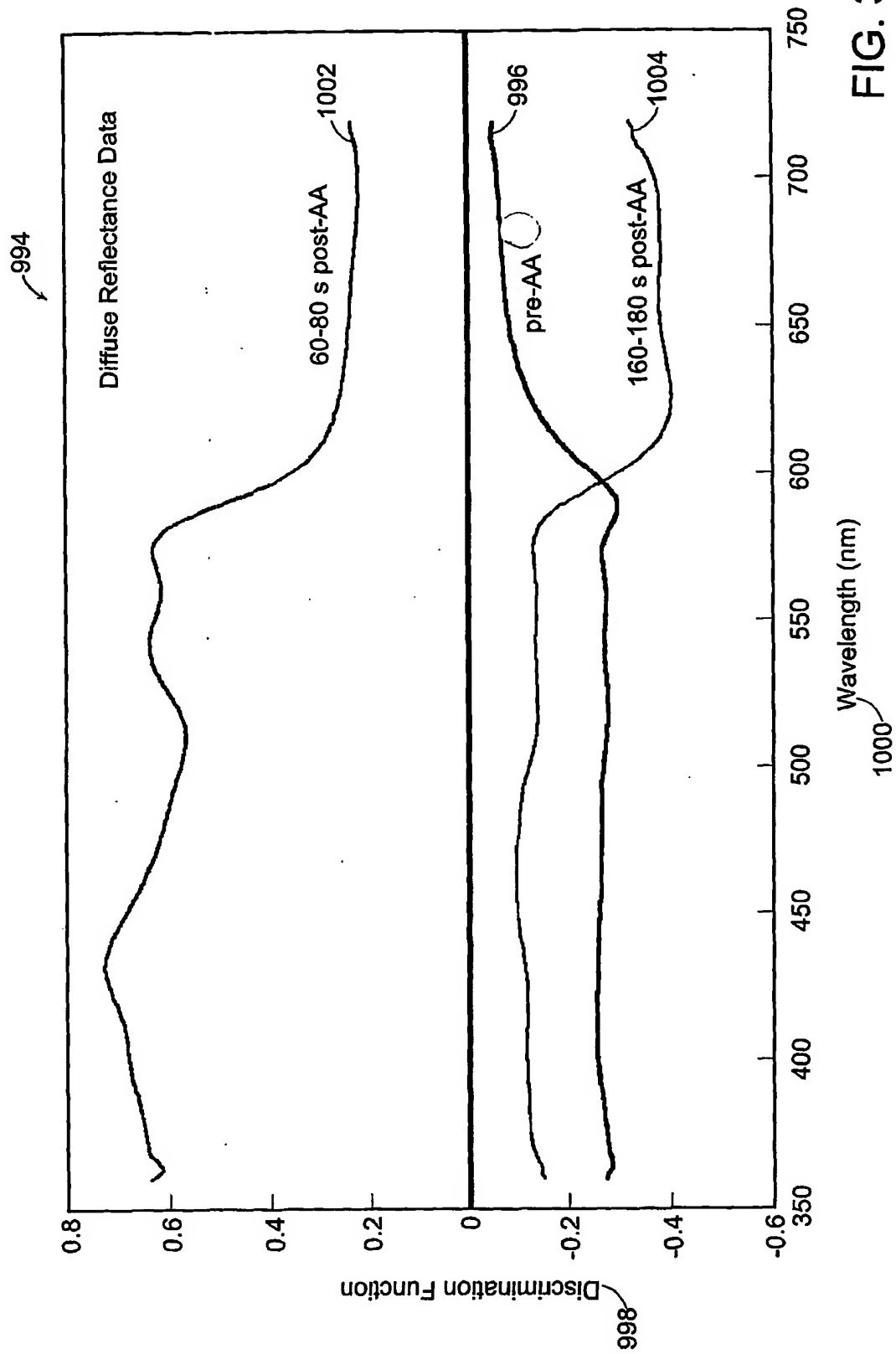


FIG. 36

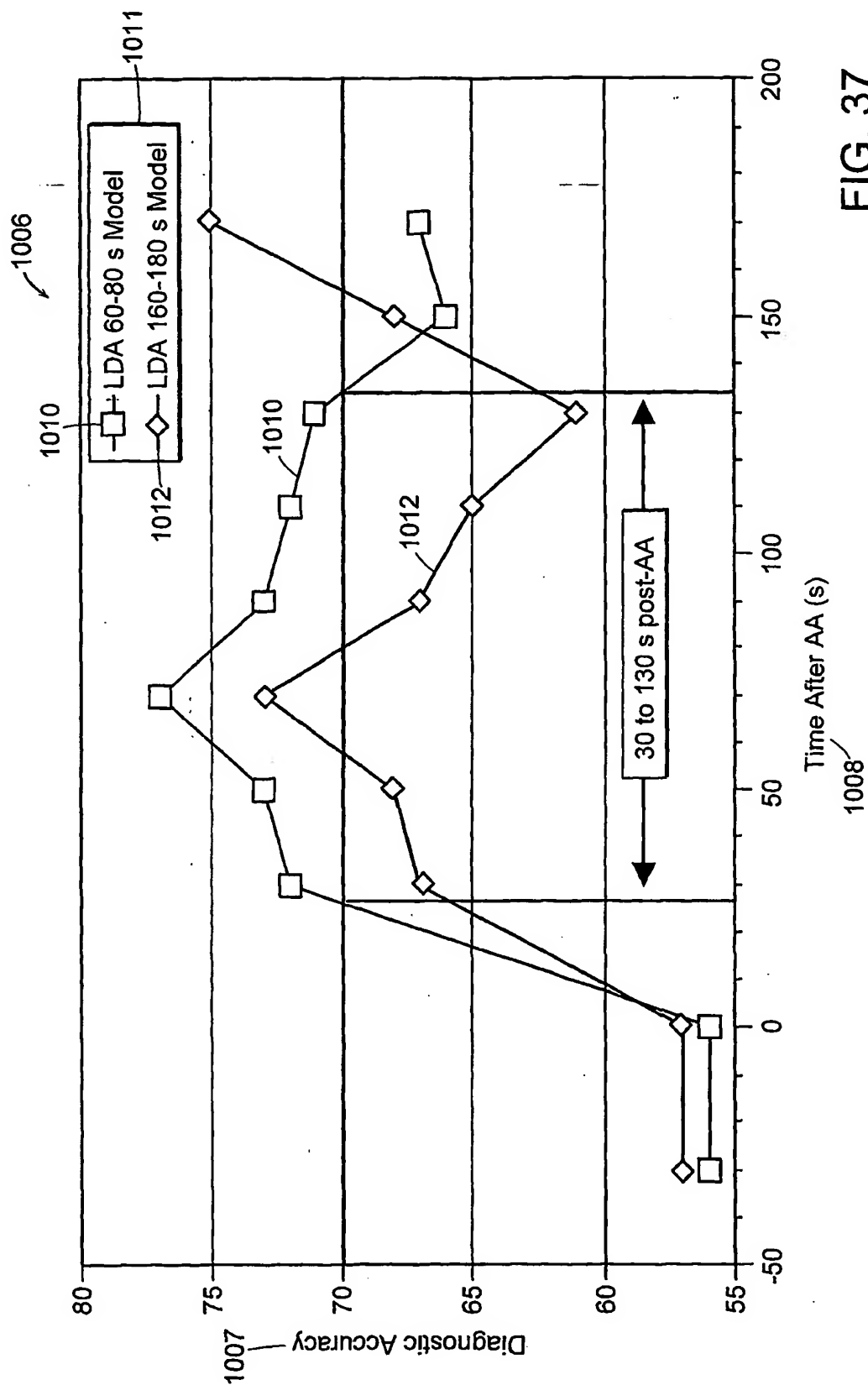
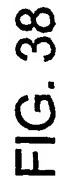


FIG. 37



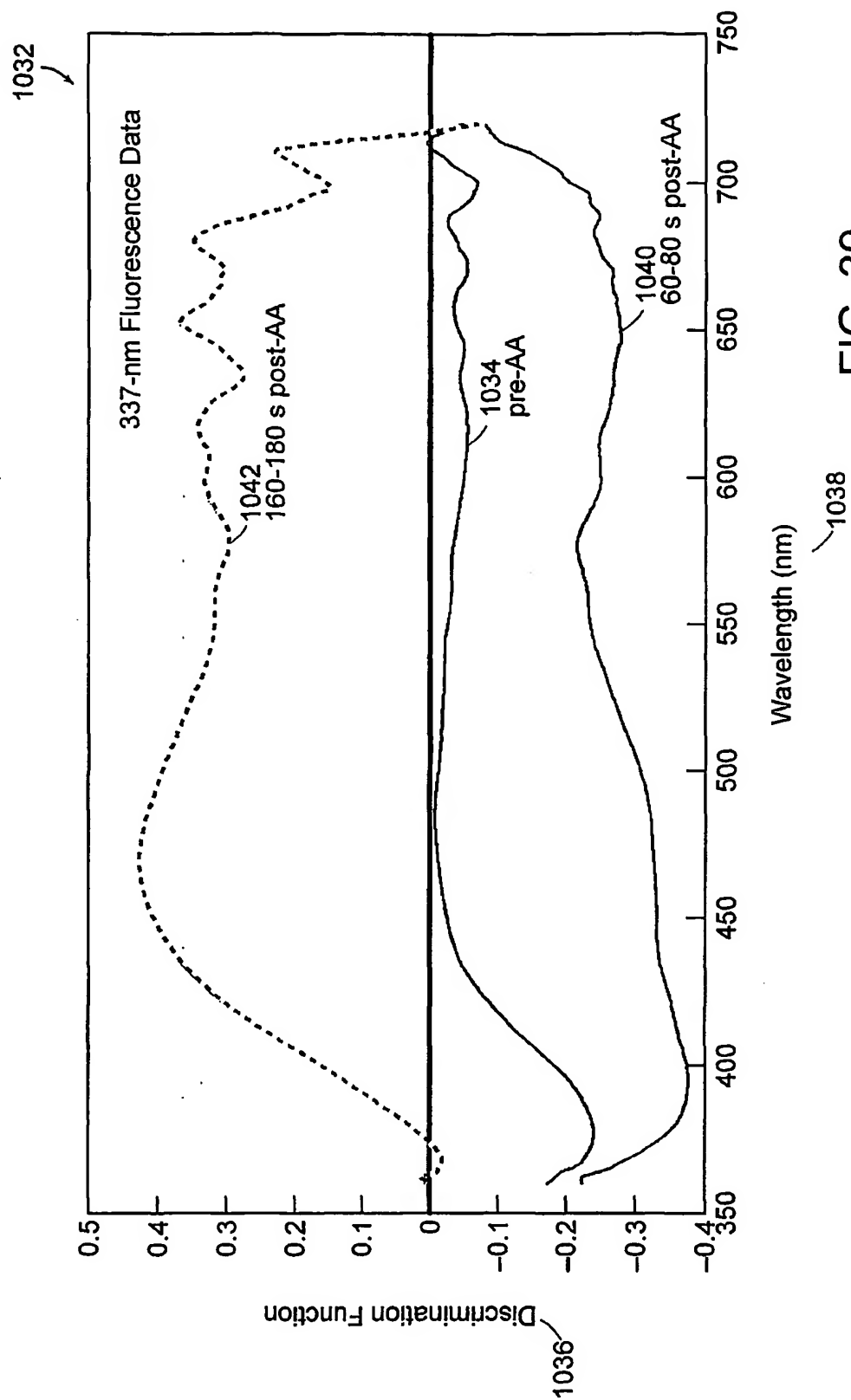
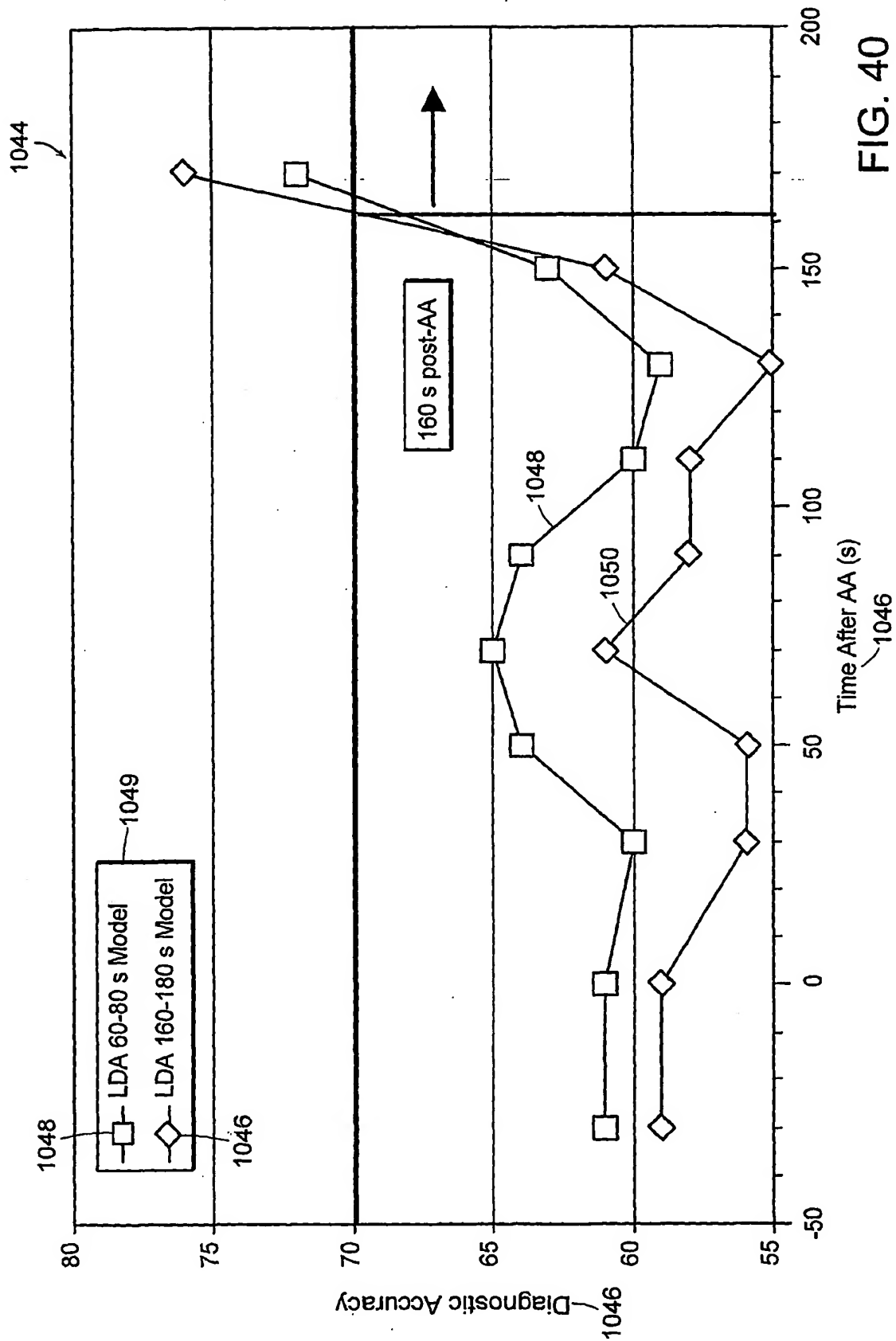


FIG. 39



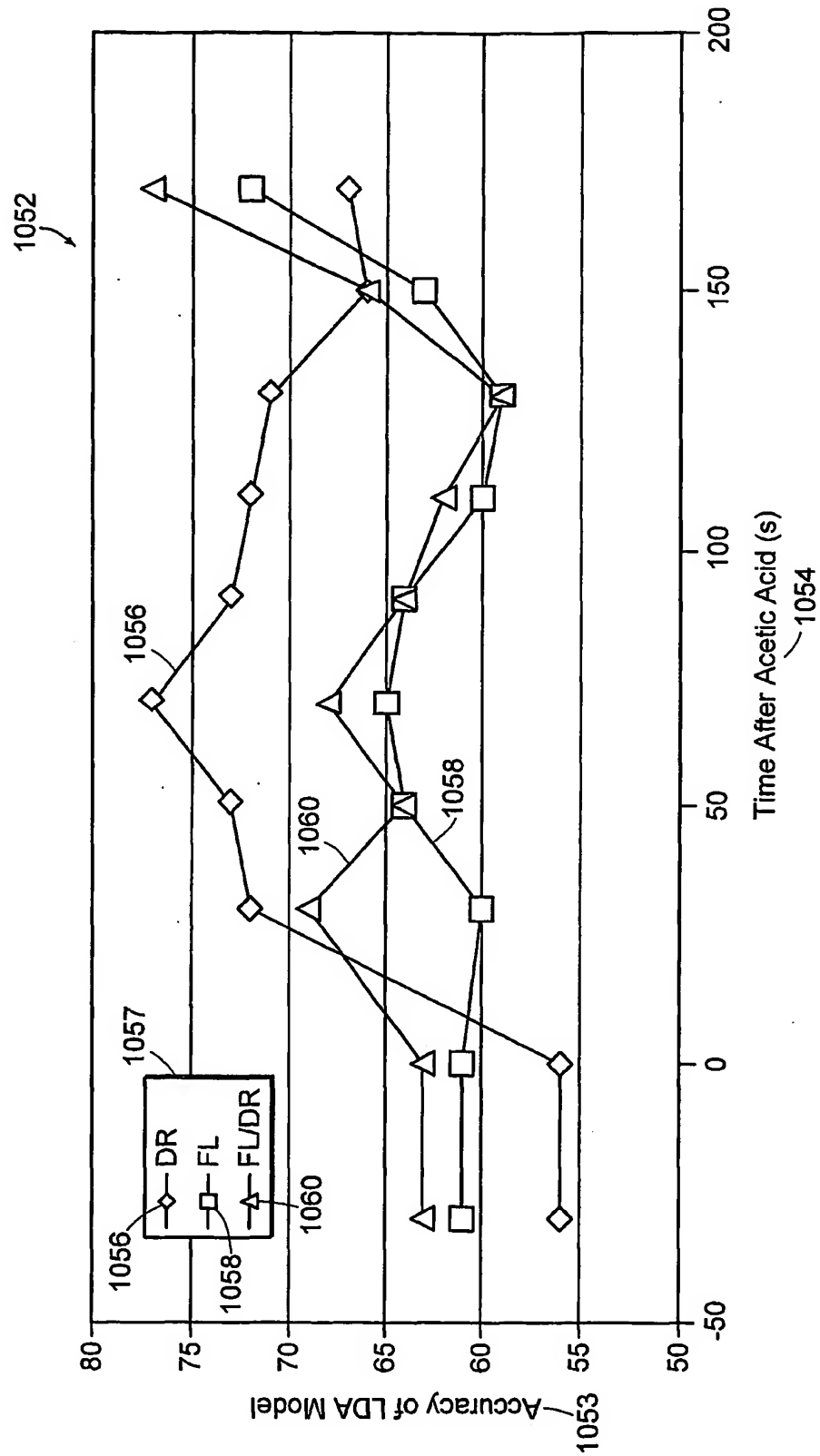


FIG. 41

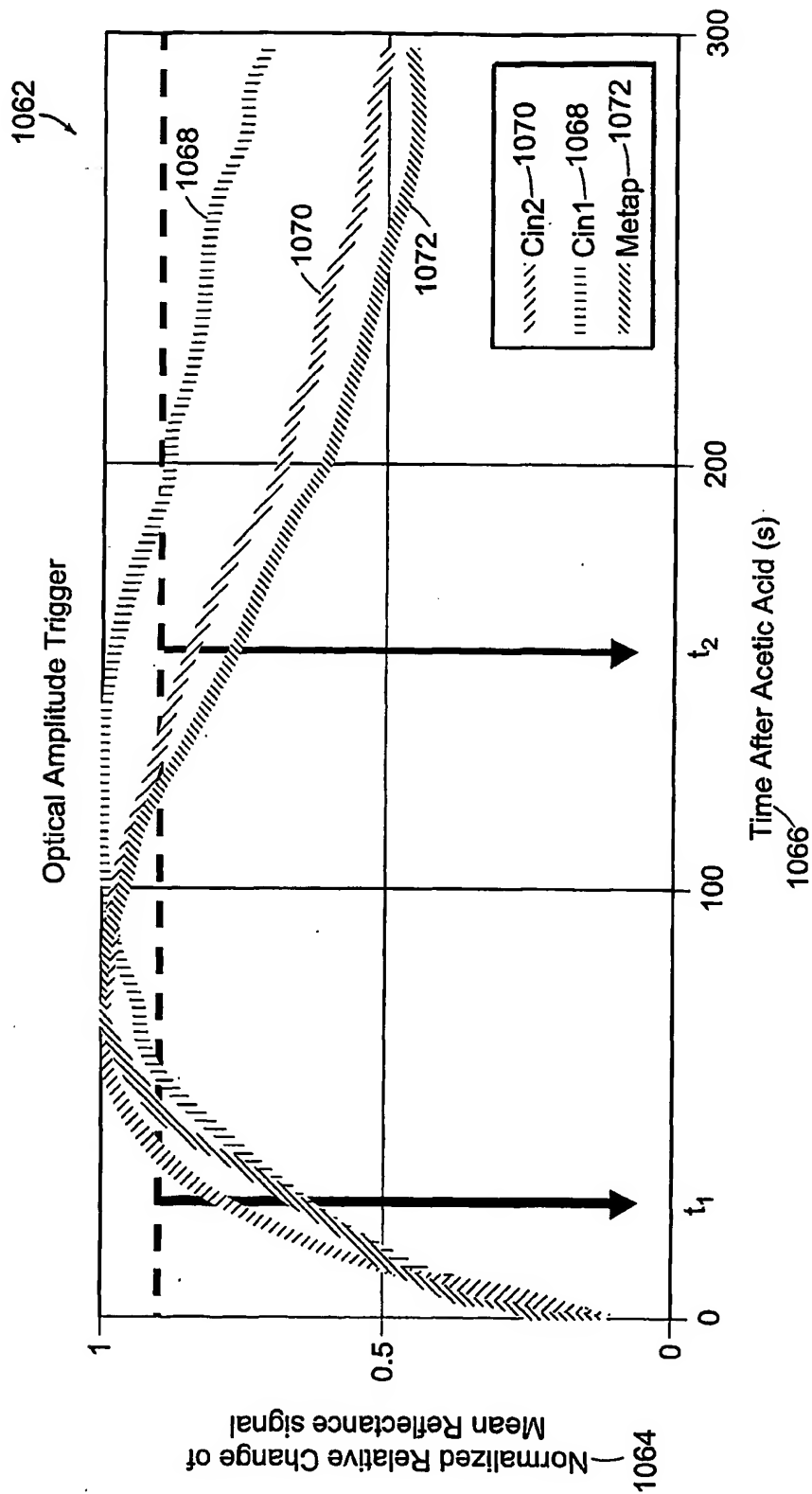


FIG. 42



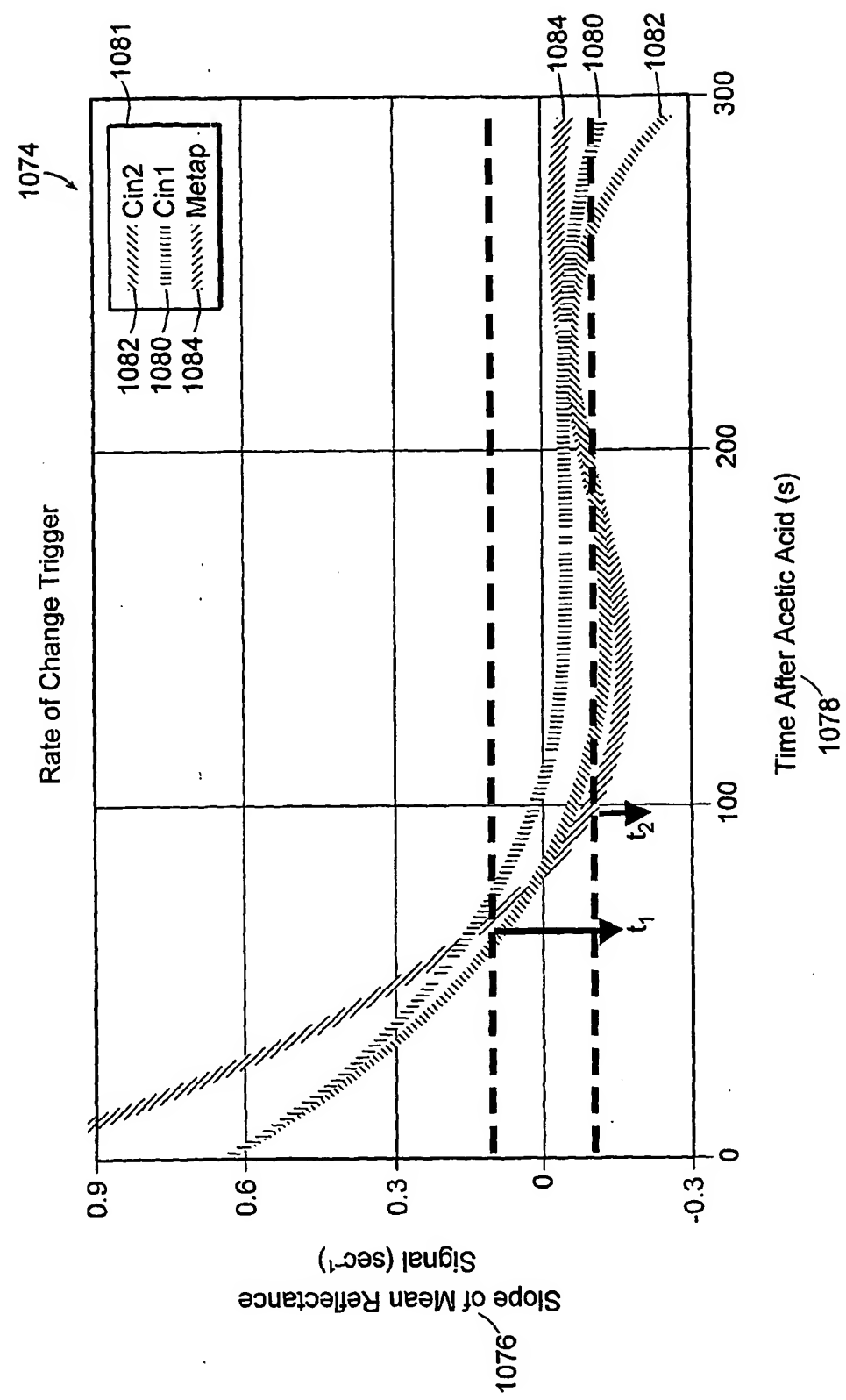


FIG. 43

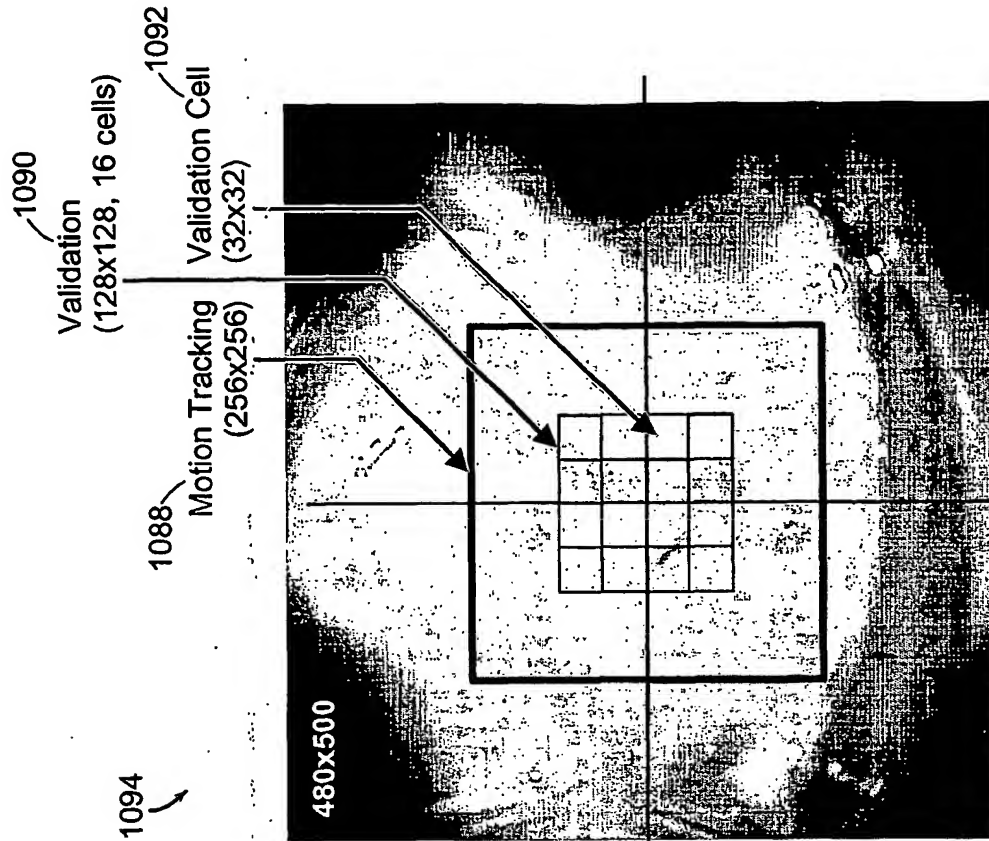


FIG. 44B

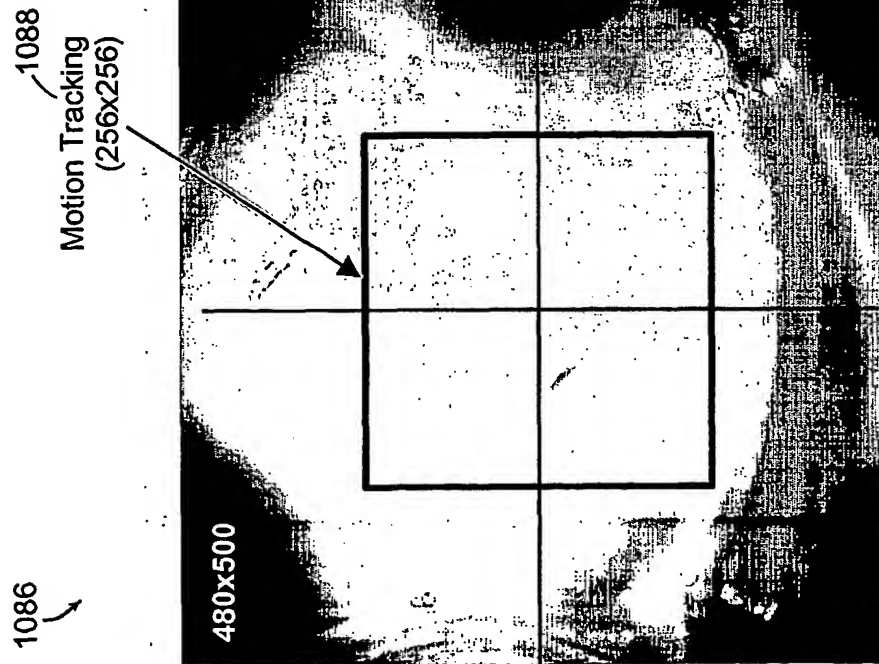


FIG. 44A

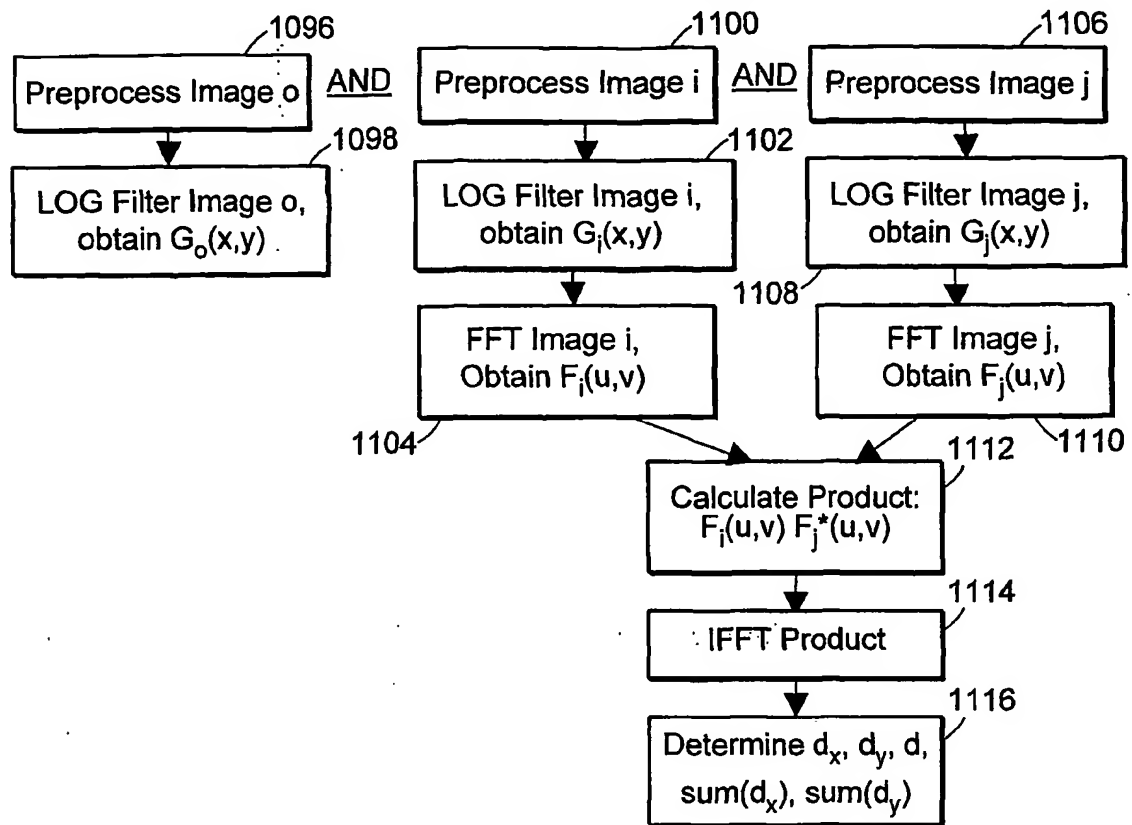
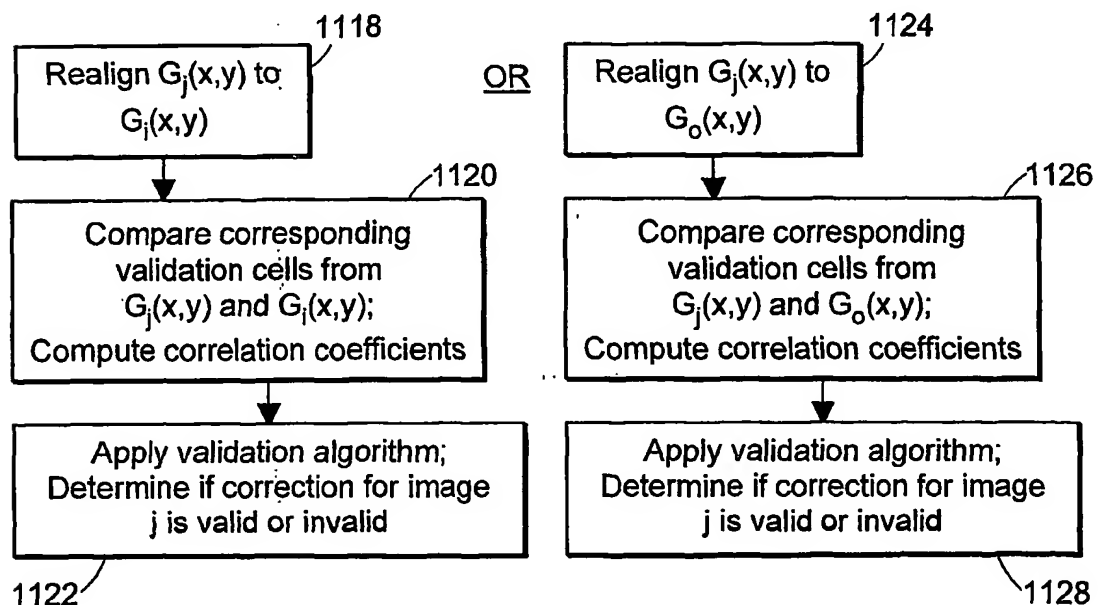
DETERMINE MISALIGNMENT CORRECTION FOR IMAGE jVALIDATE MISALIGNMENT CORRECTION FOR IMAGE j

FIG. 45

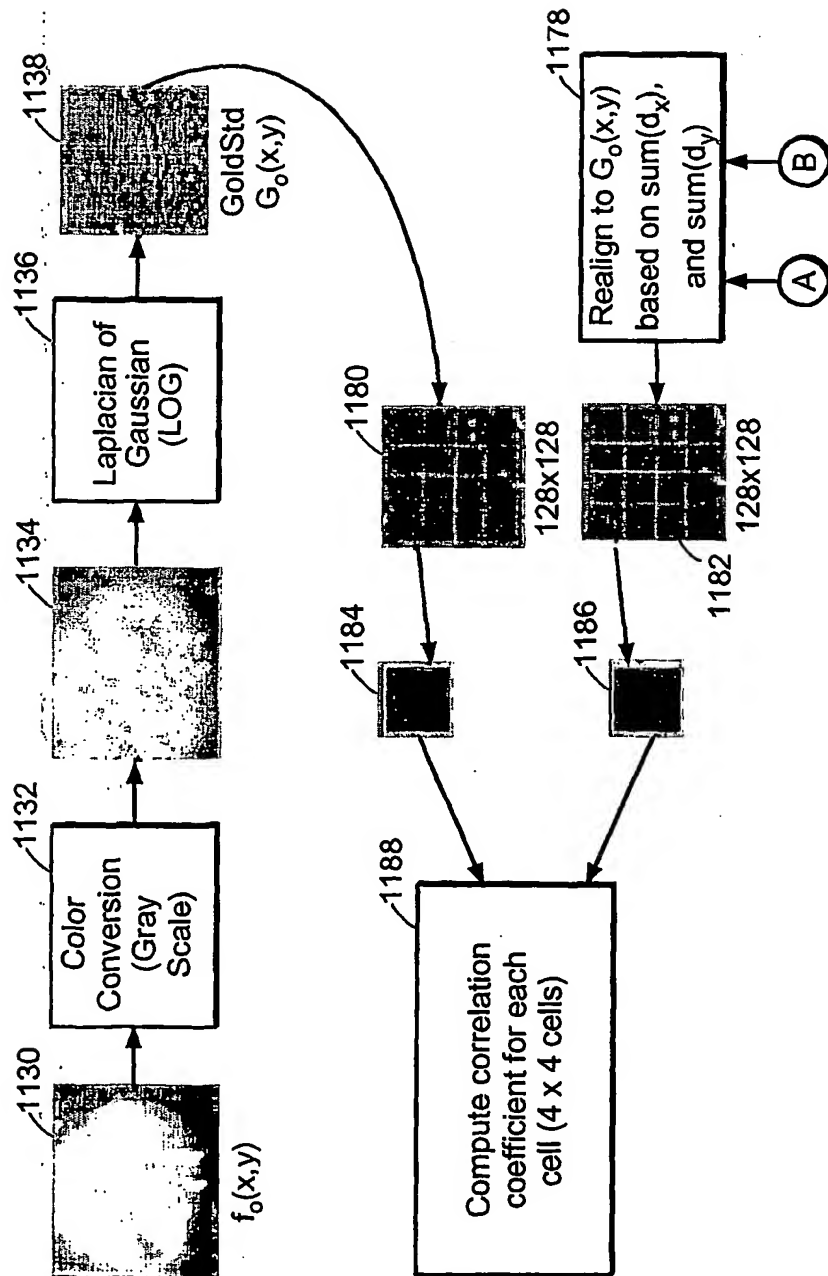
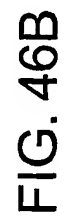


FIG. 46A



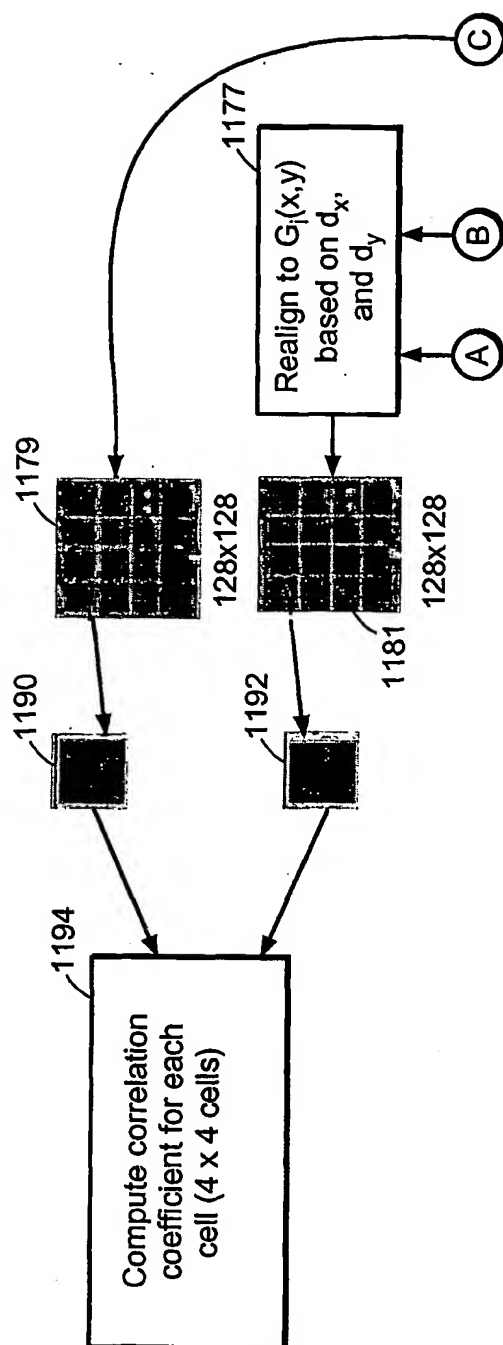


FIG. 47A

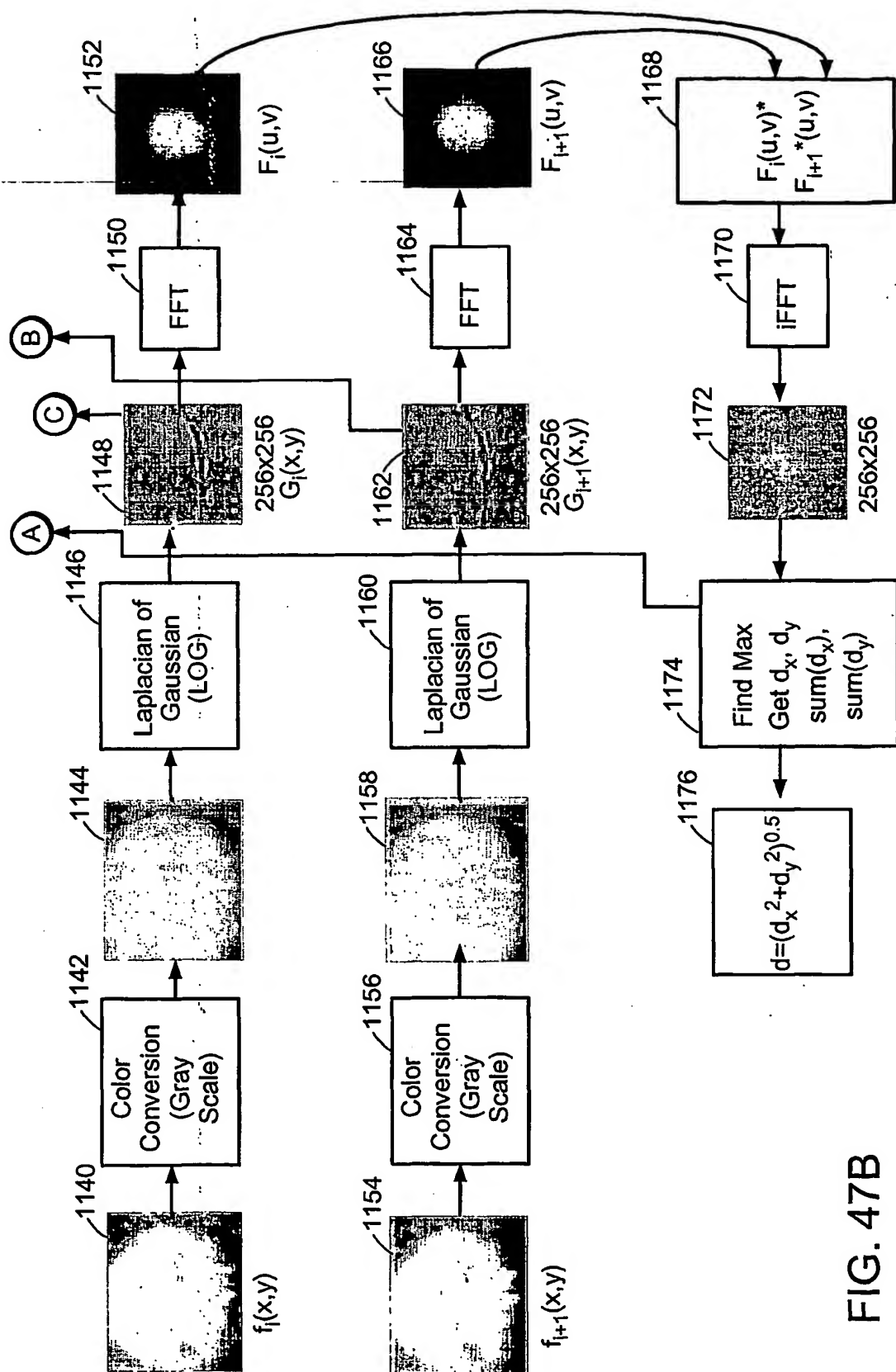
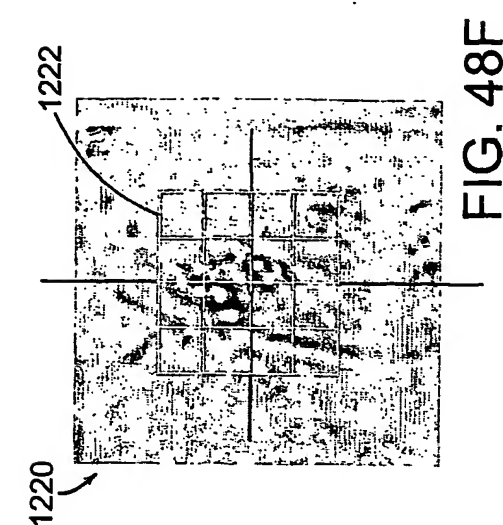
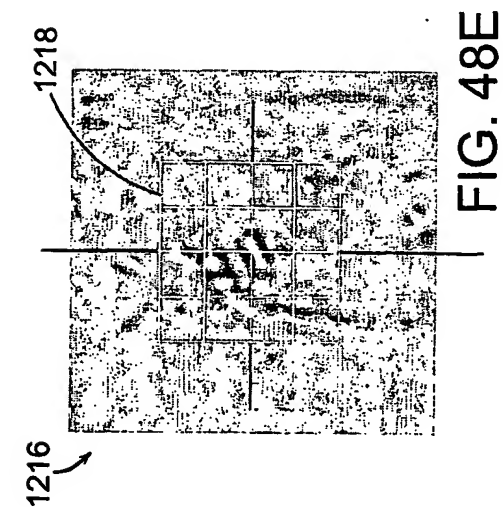
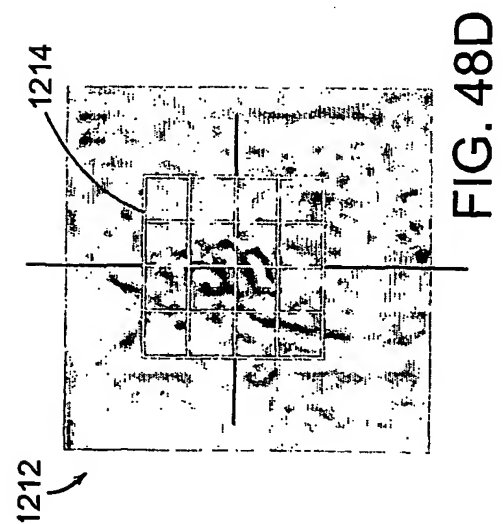
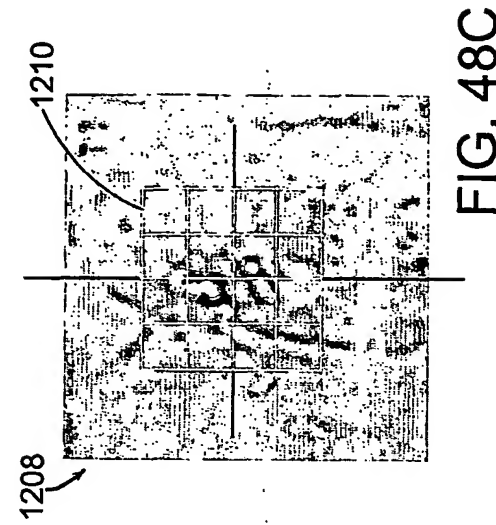
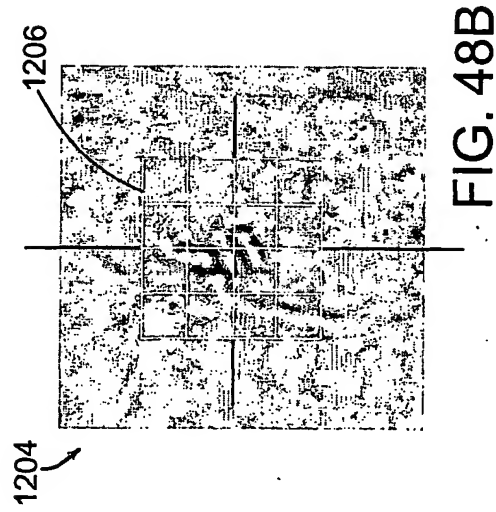
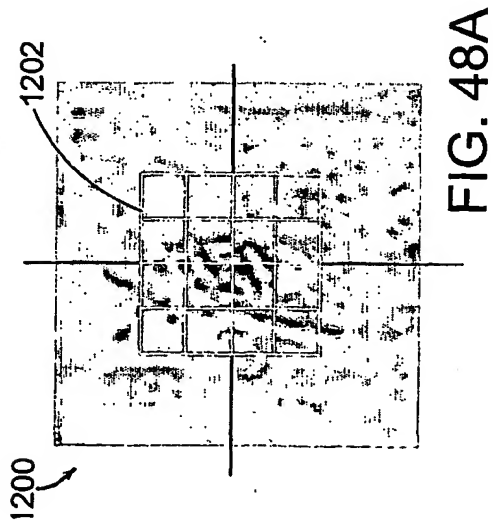


FIG. 47B





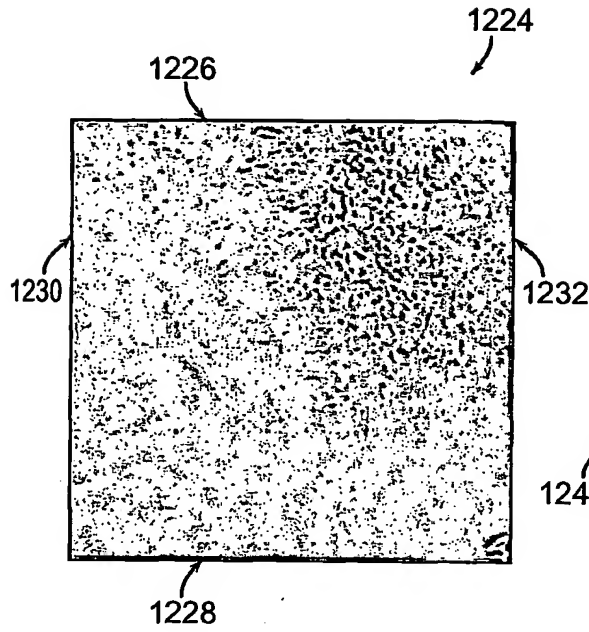


FIG. 49A

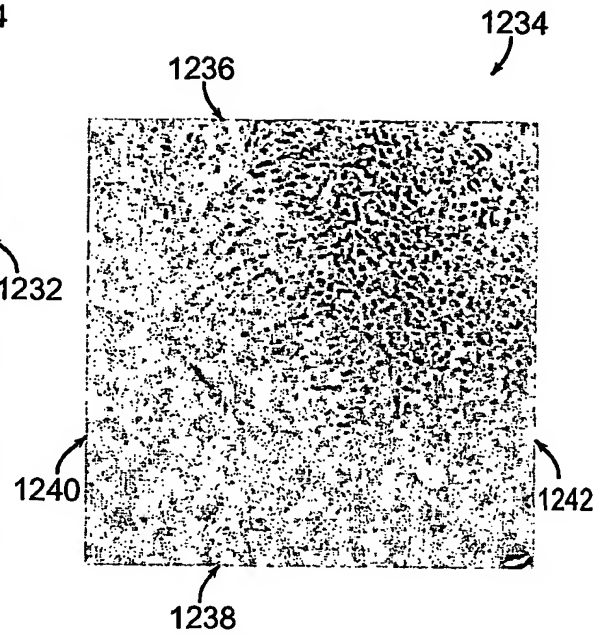


FIG. 49B

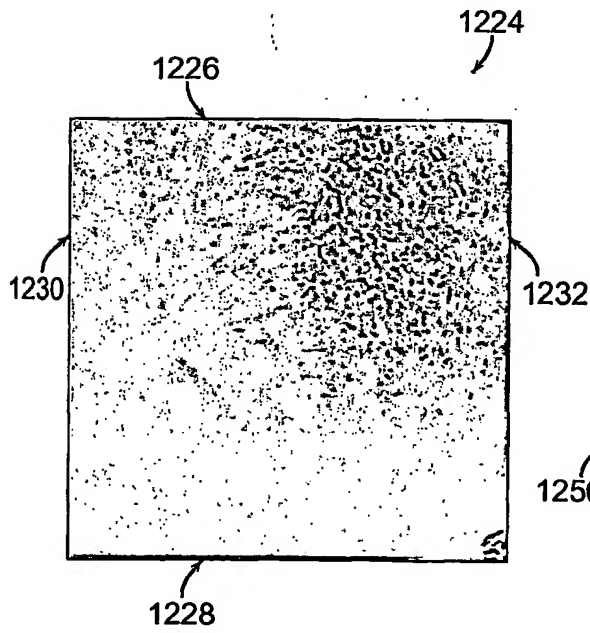


FIG. 50A

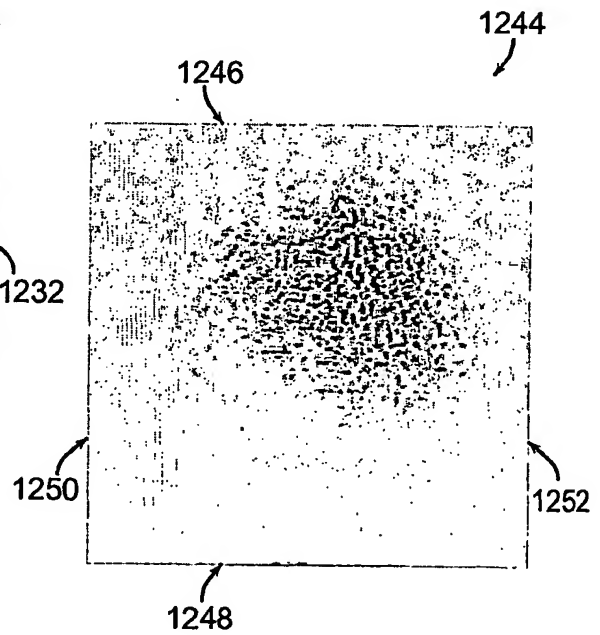


FIG. 50B

1254



FIG. 51A

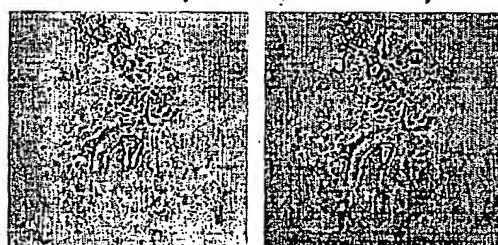
1256



FIG. 51B

1258

1260

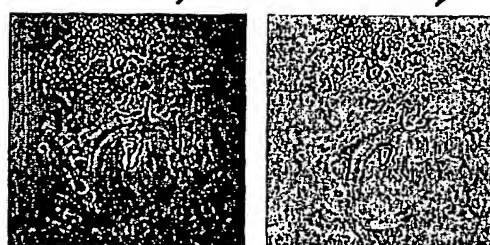


Hamming + LOG 9

FIG. 51C

1262

1264

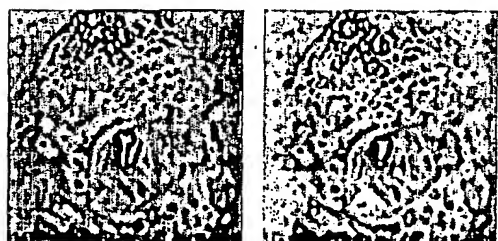


Feathering + LOG 9

FIG. 51D

1266

1268



Feathering + LOG 21

FIG. 51E

1270

1272



Feathering + LOG 31

FIG. 51F

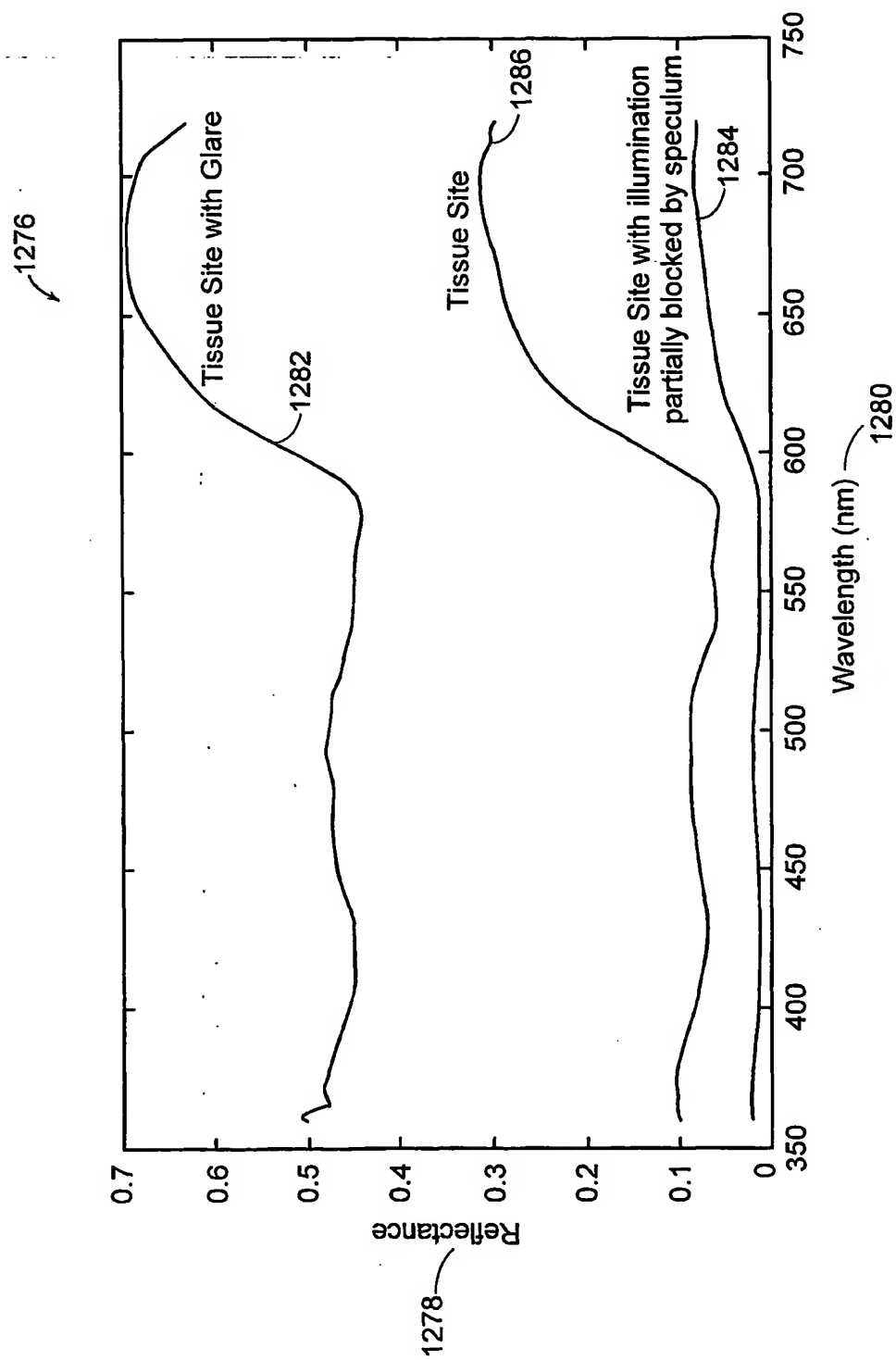
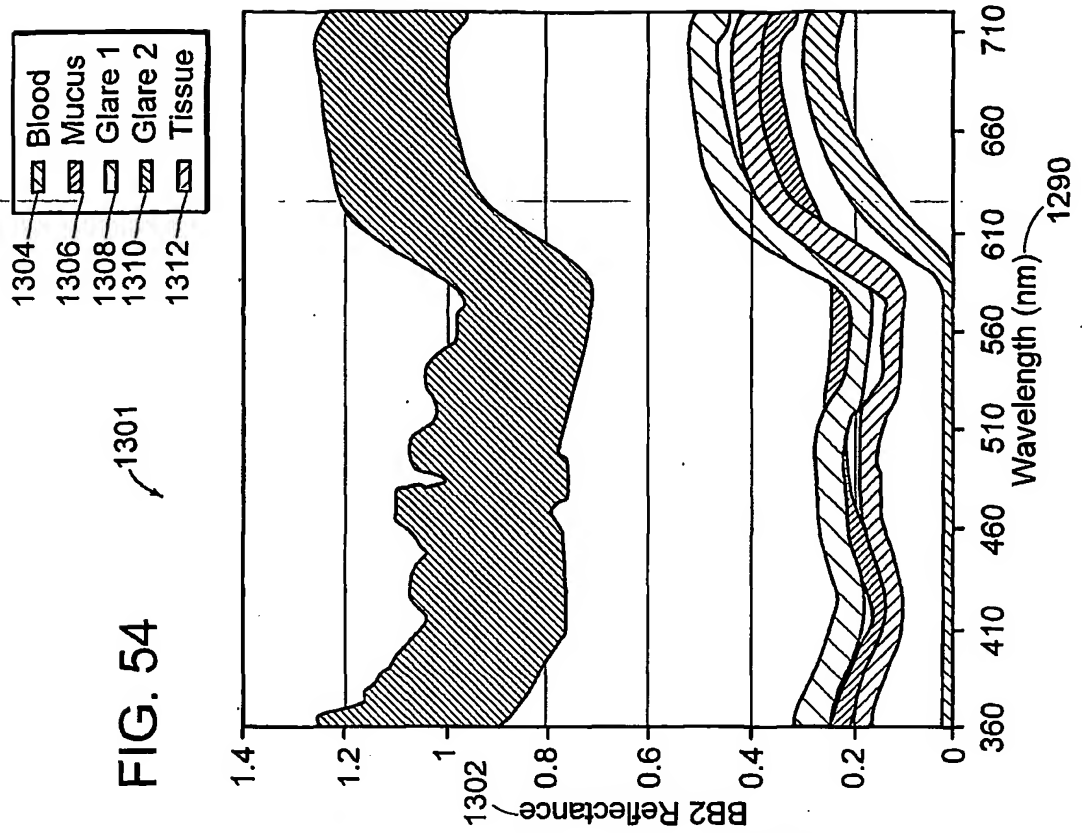
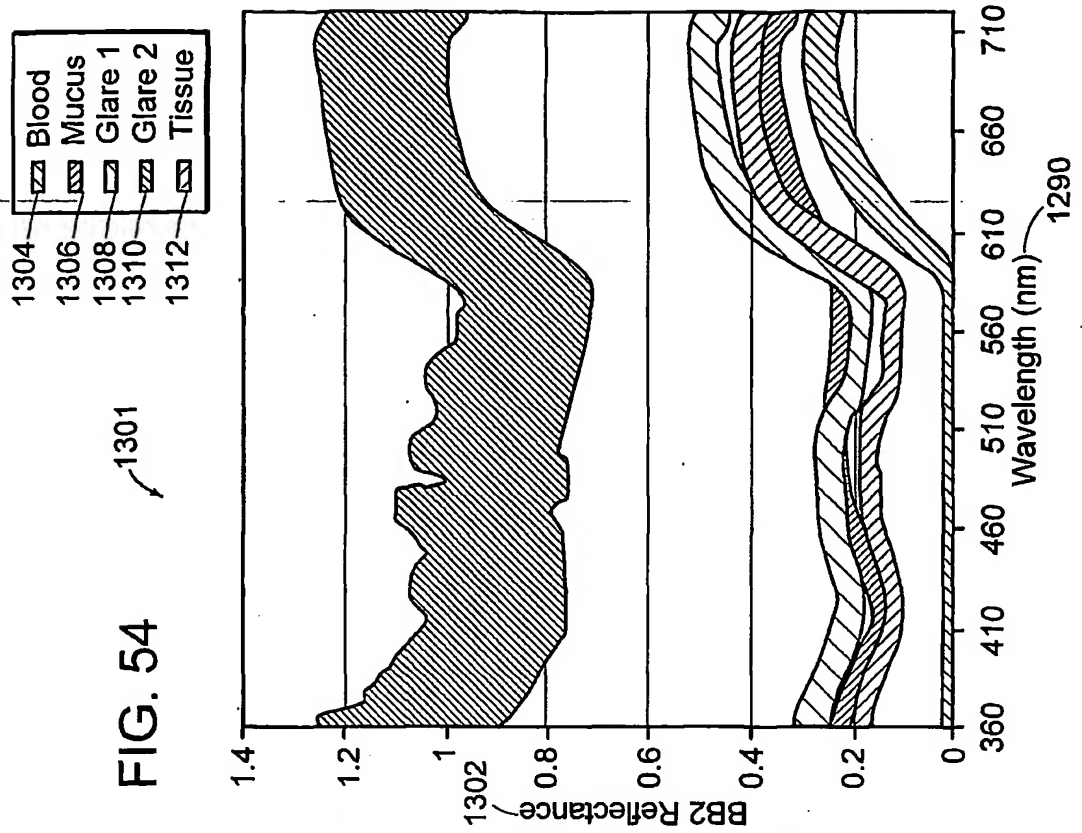


FIG. 52



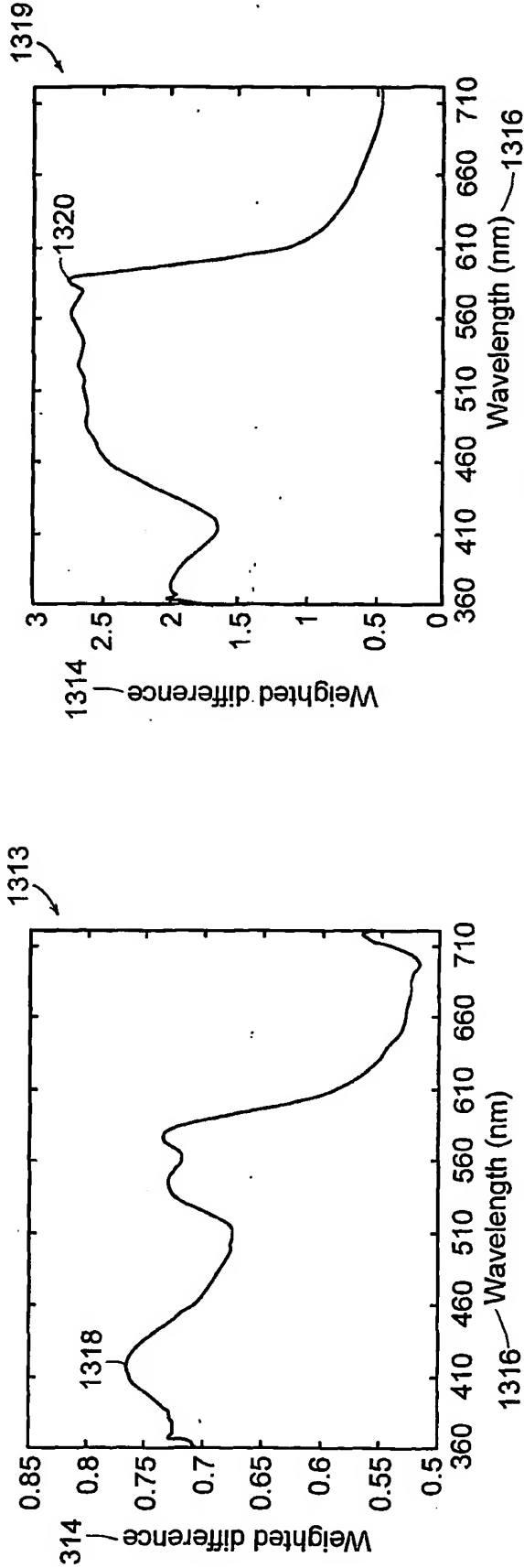


FIG. 55

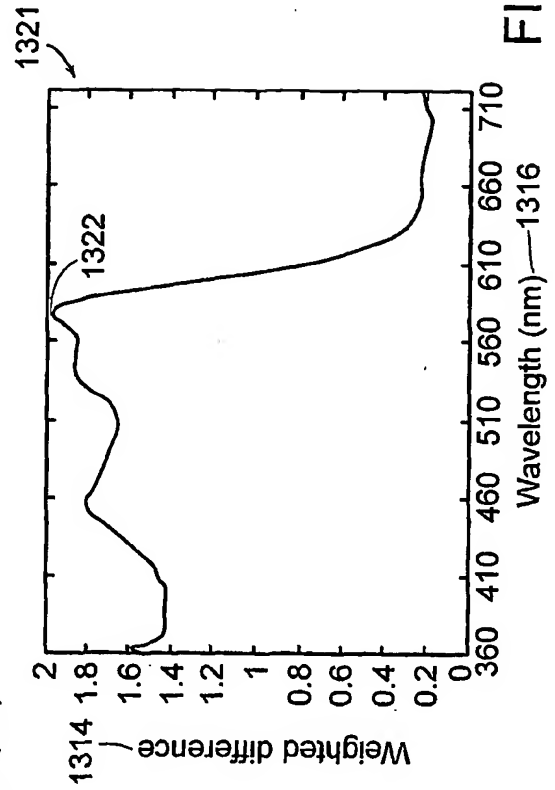
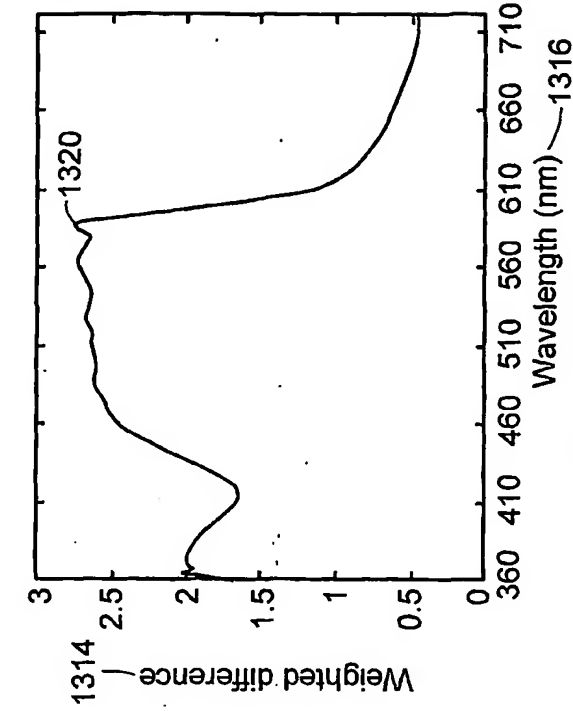


FIG. 56

FIG. 57



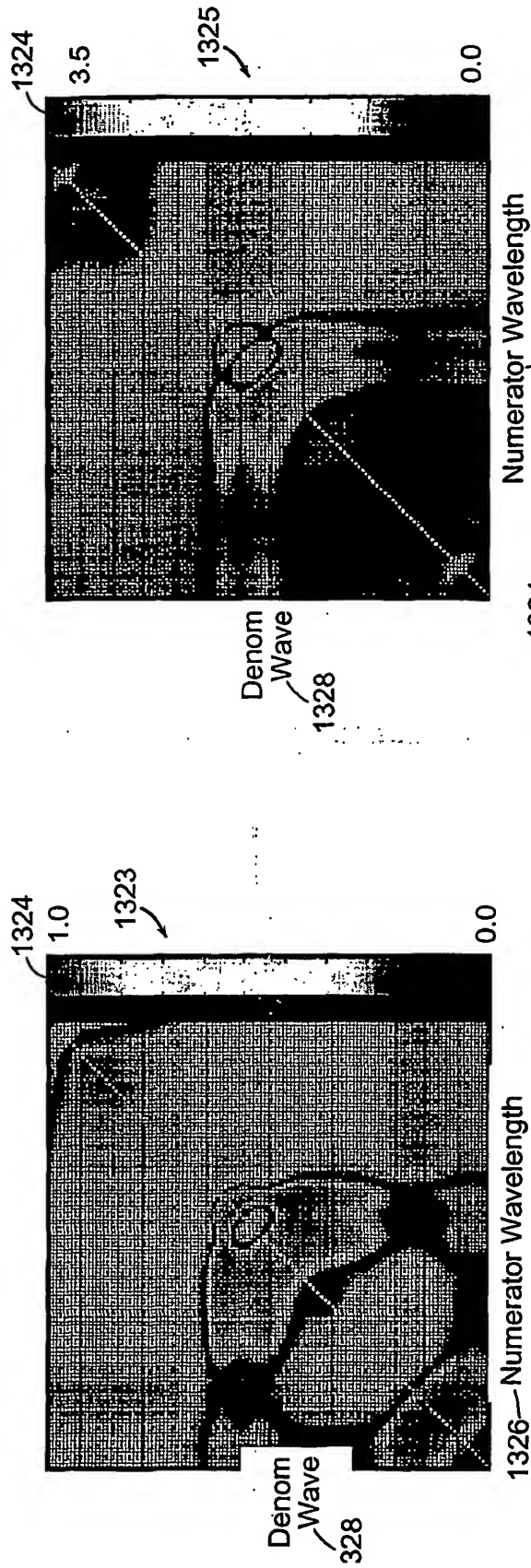


FIG. 58

FIG. 59

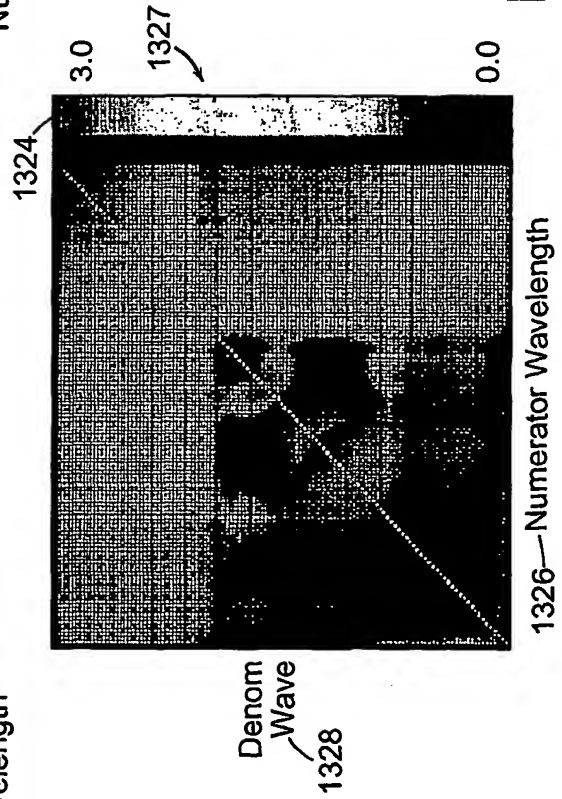
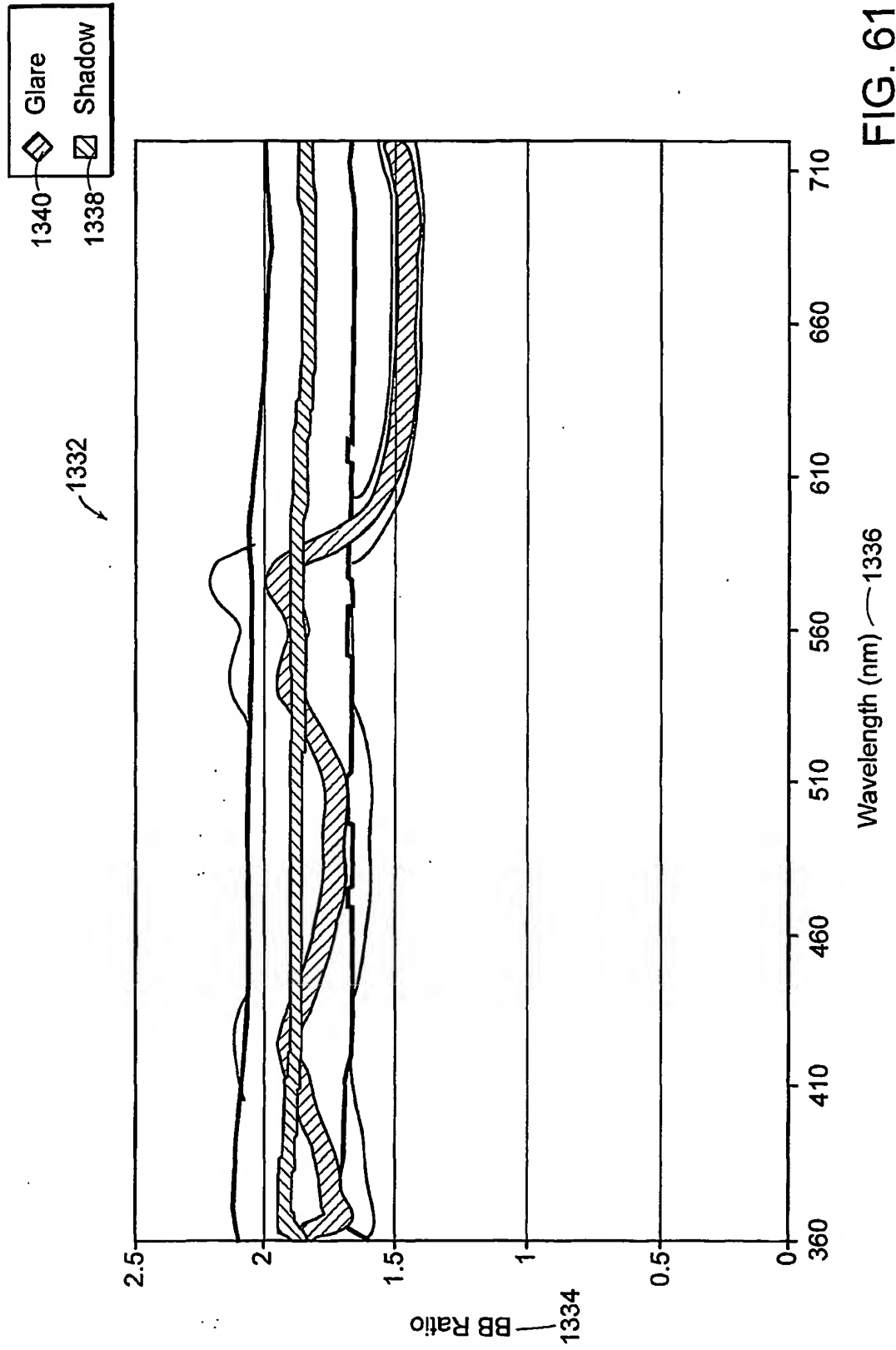


FIG. 60

704



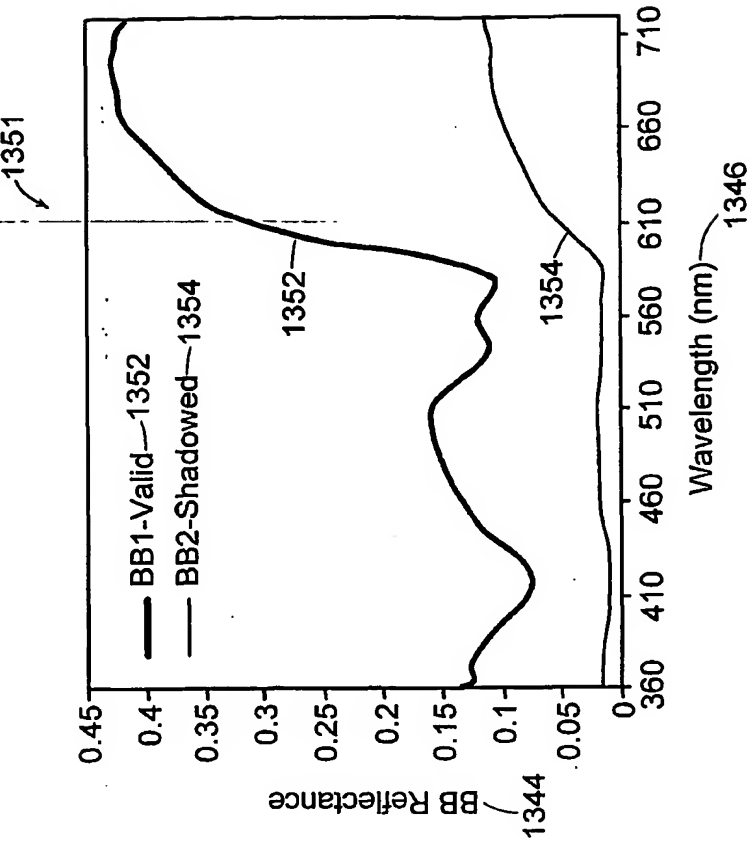


FIG. 63

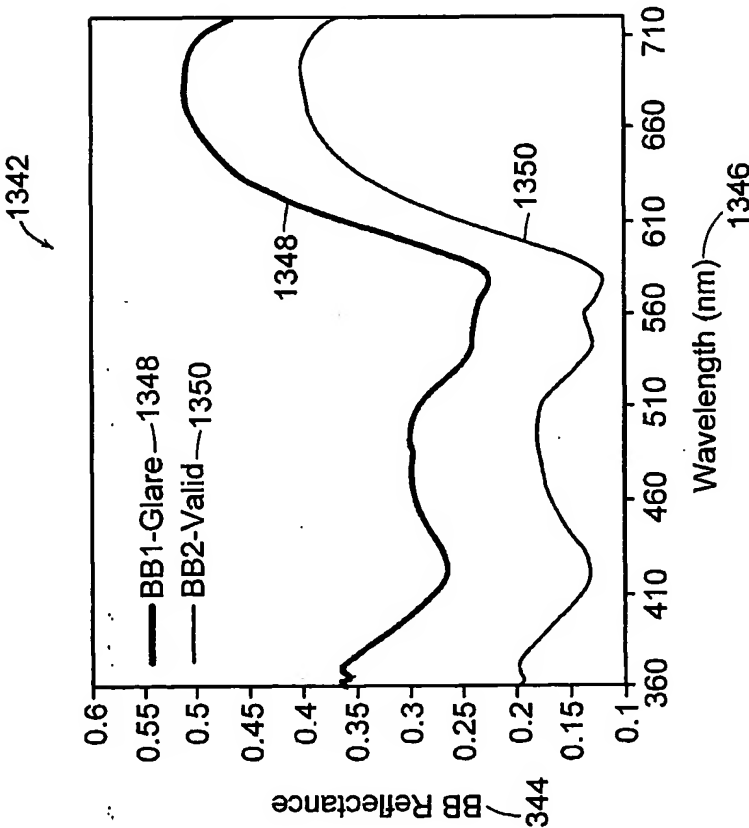


FIG. 62



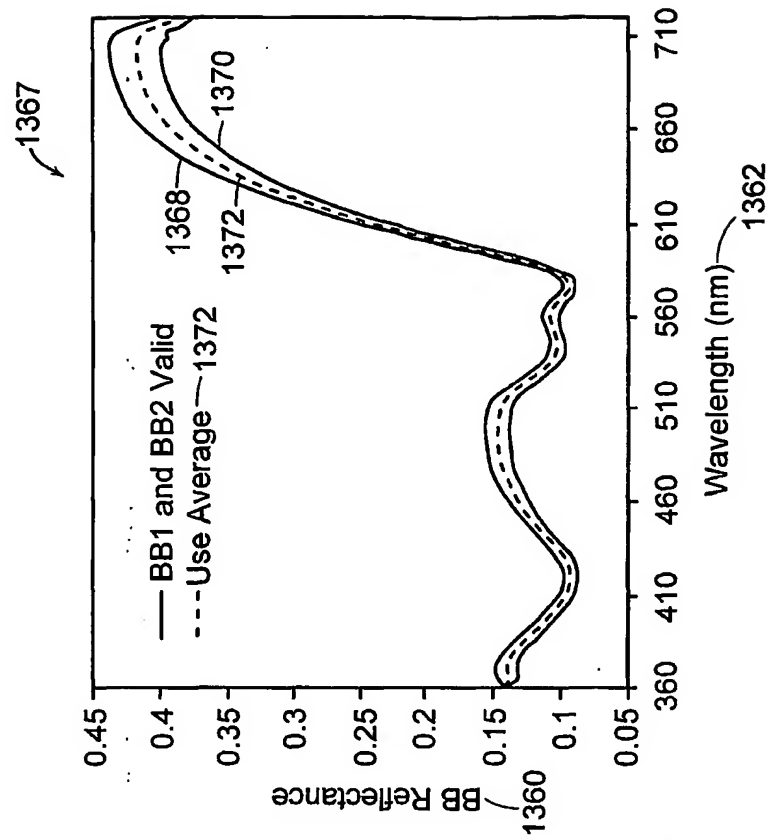


FIG. 65

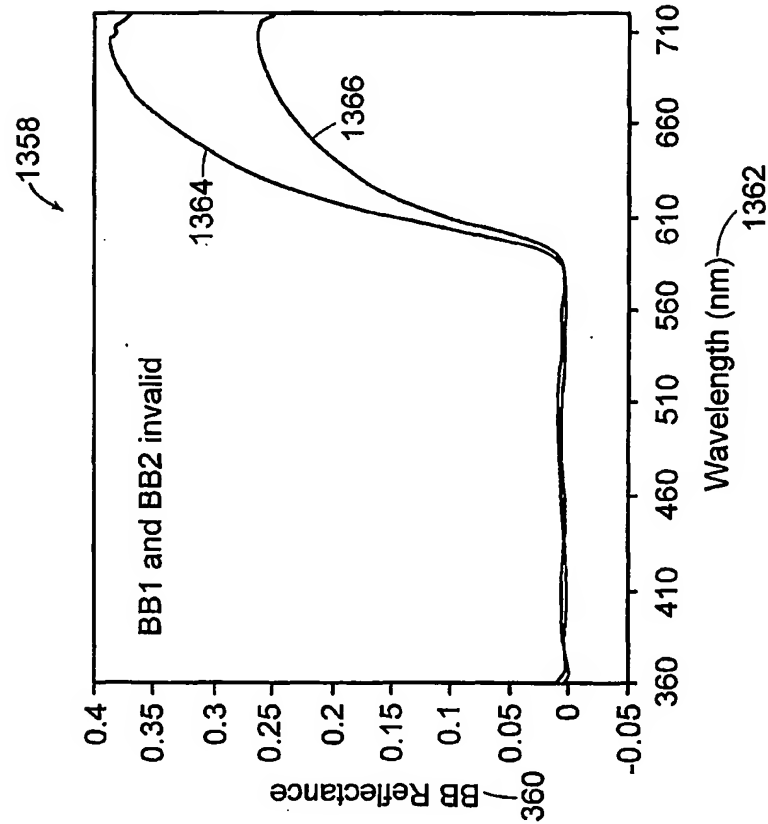


FIG. 64

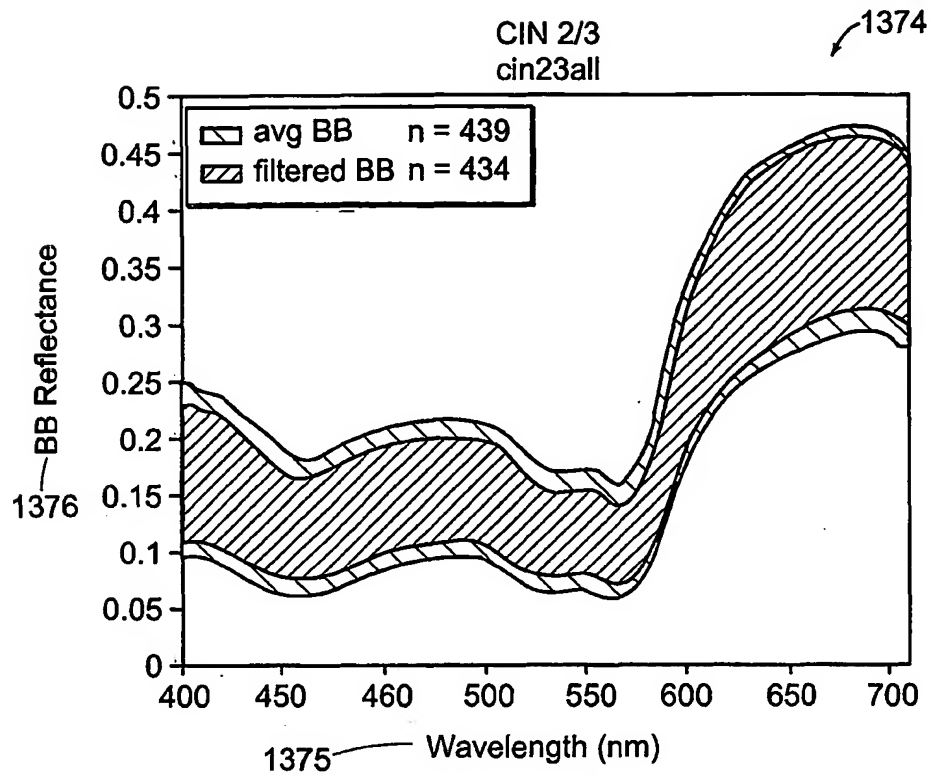


FIG. 66

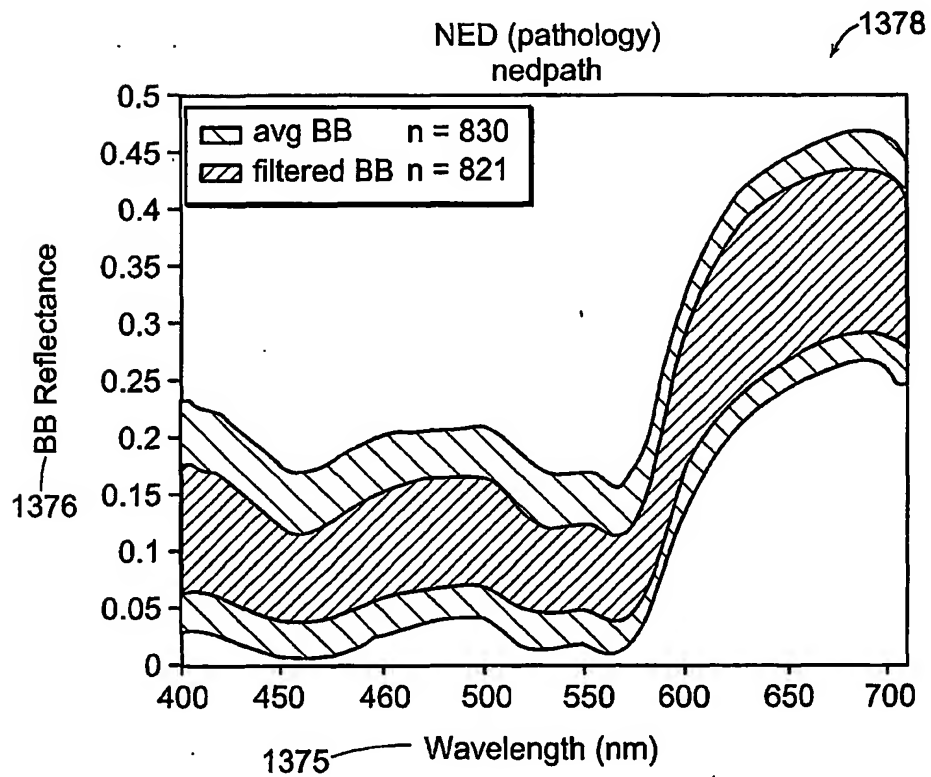


FIG. 67

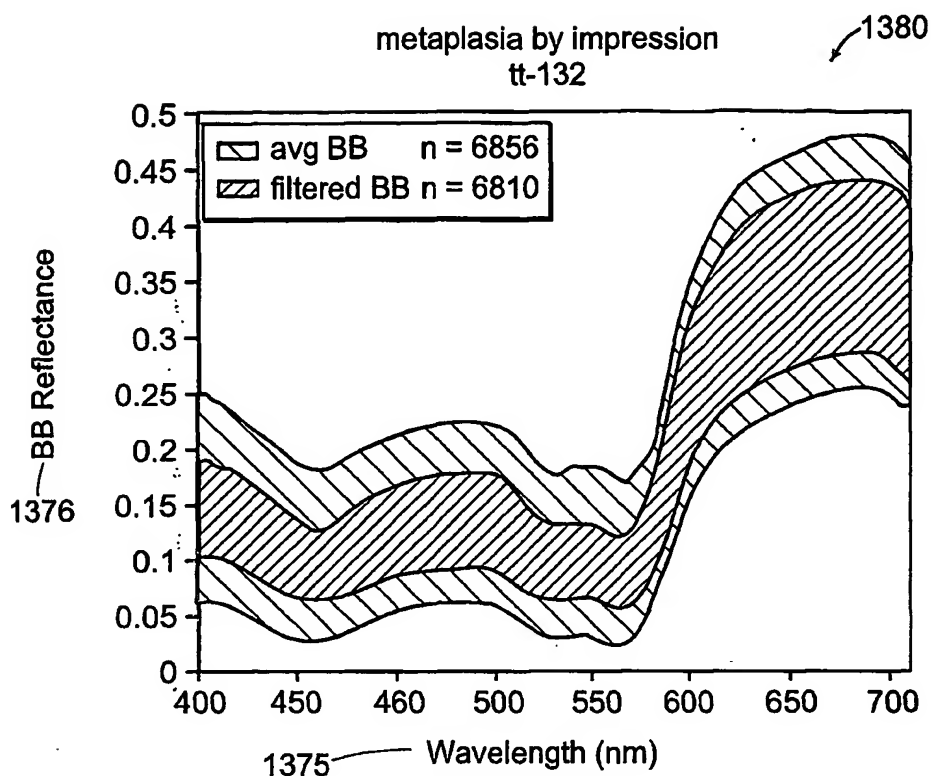


FIG. 68

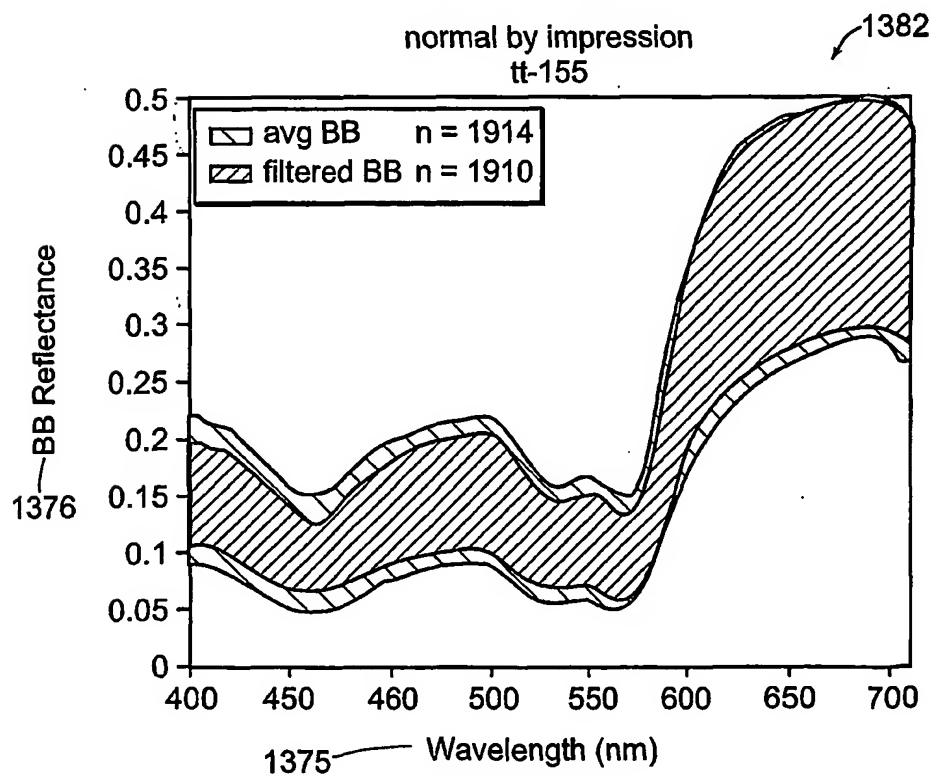
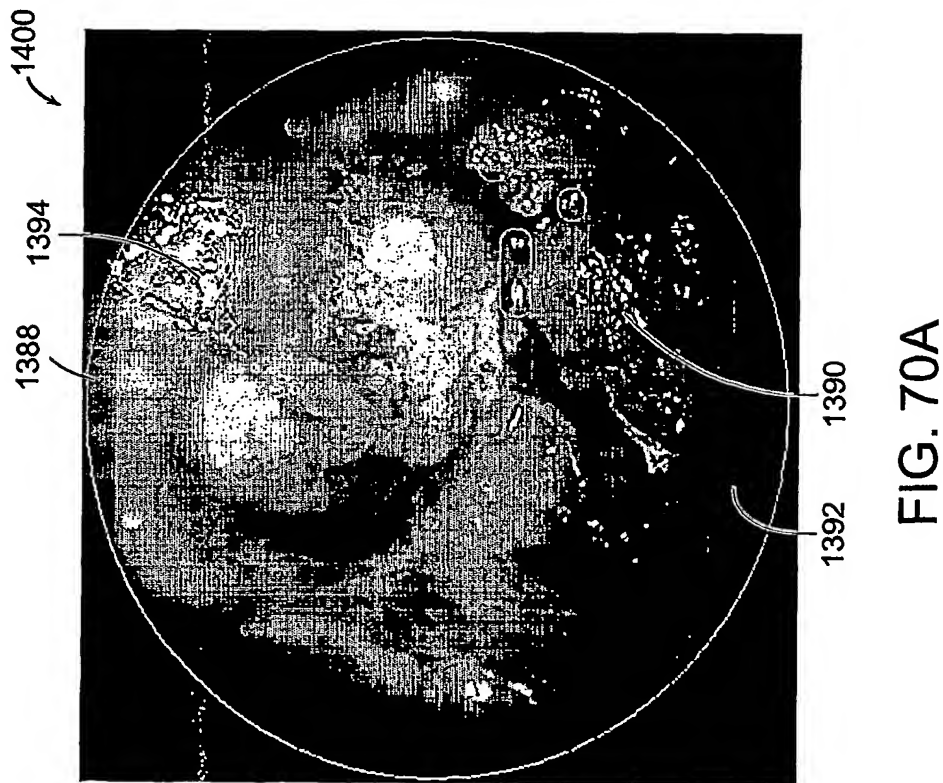
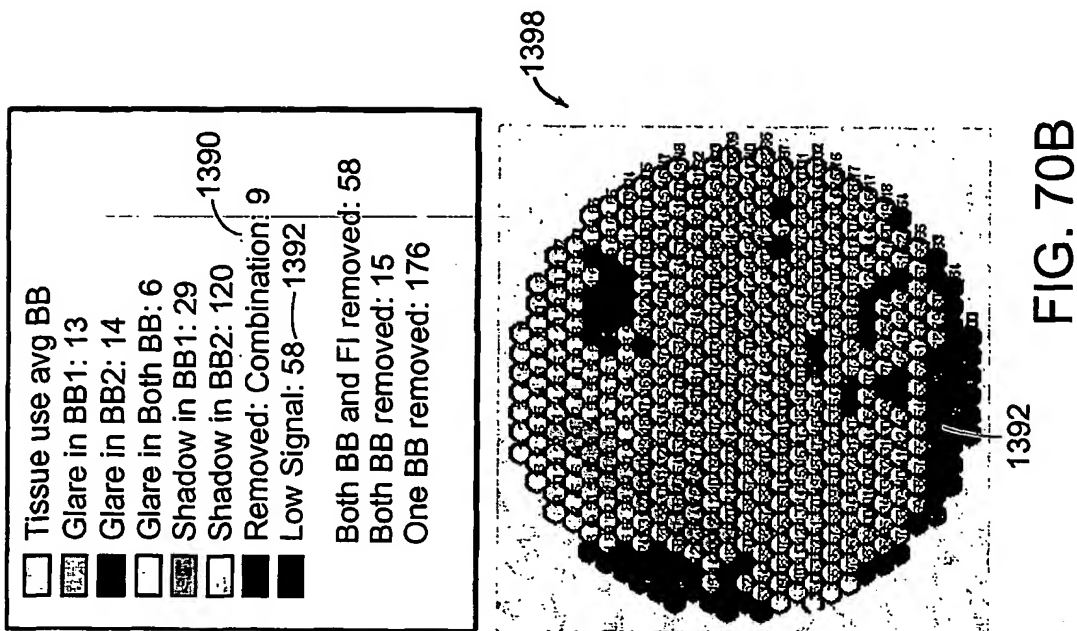


FIG. 69



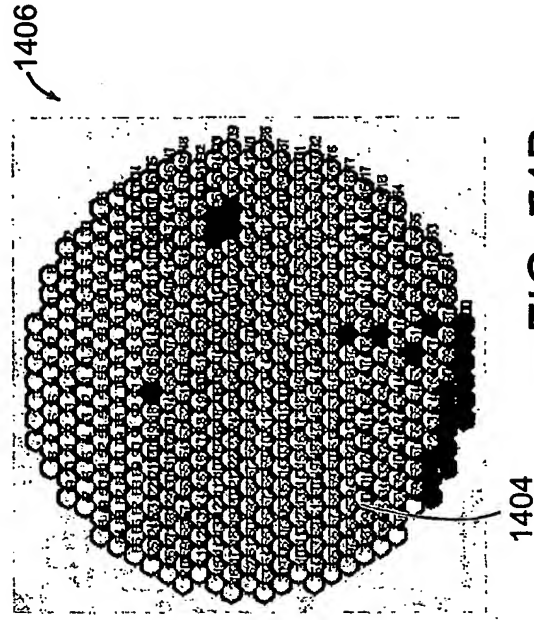
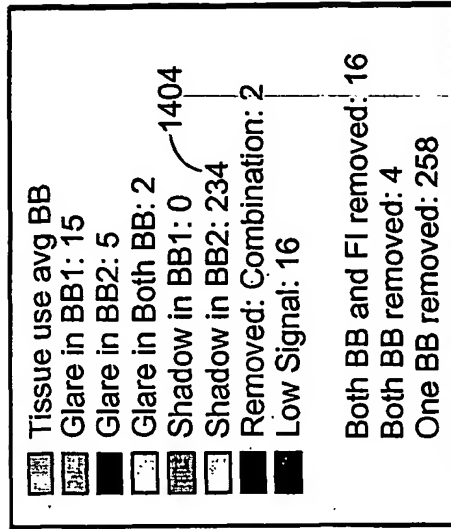


FIG. 71B

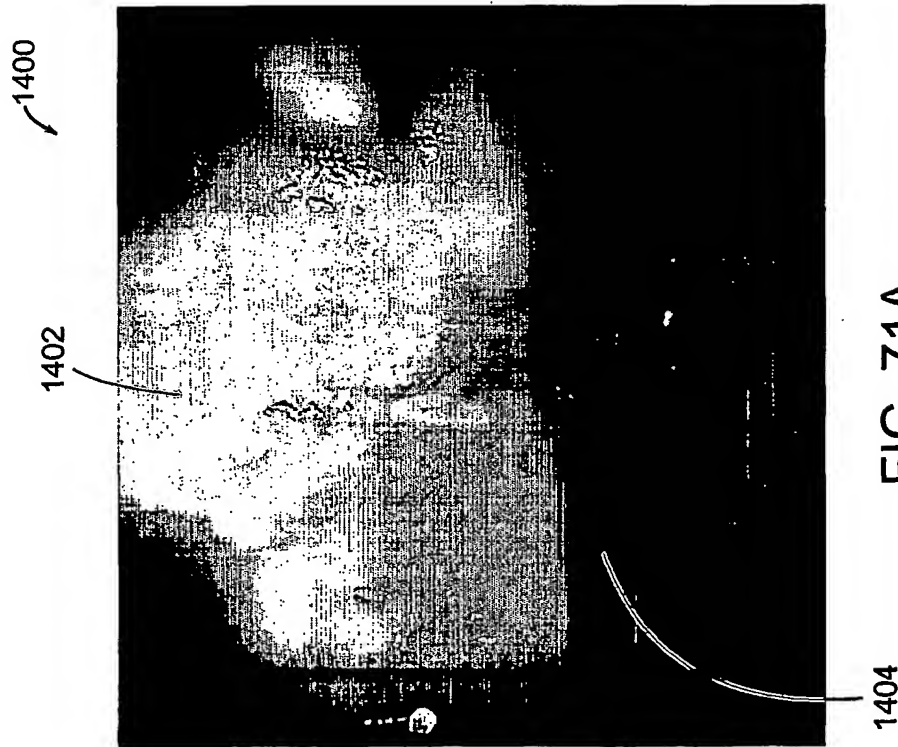


FIG. 71A

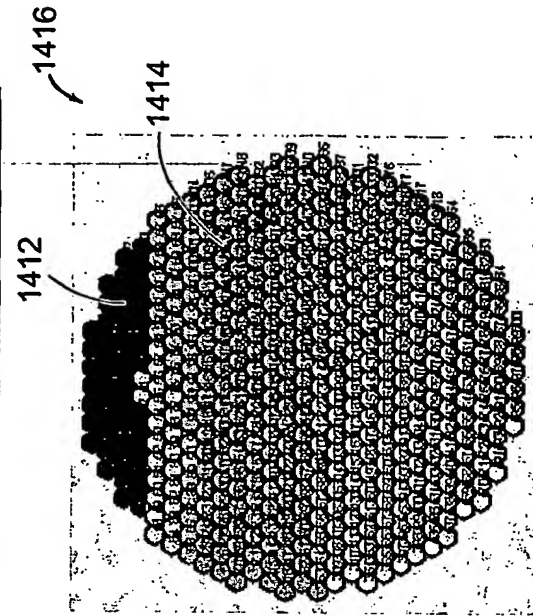
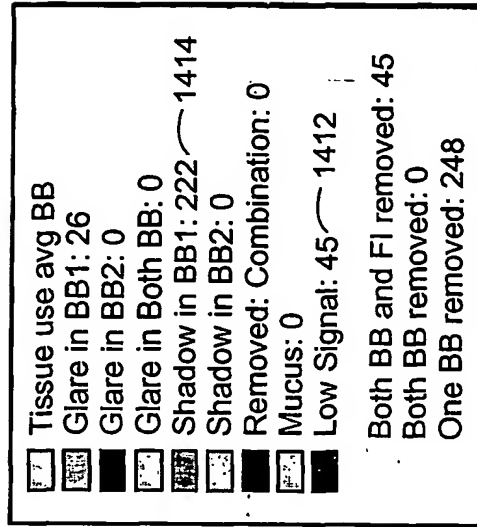


FIG. 72B

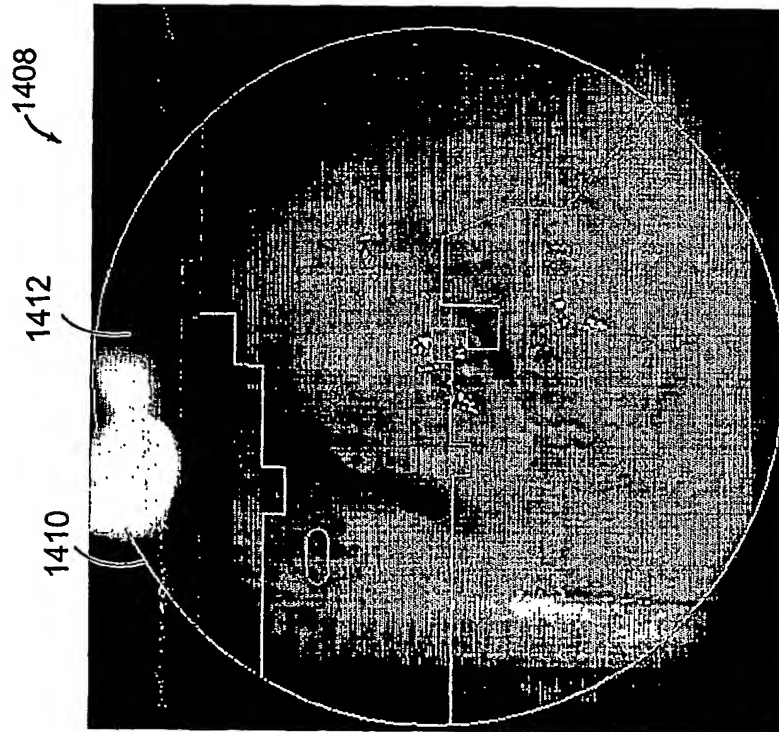


FIG. 72A

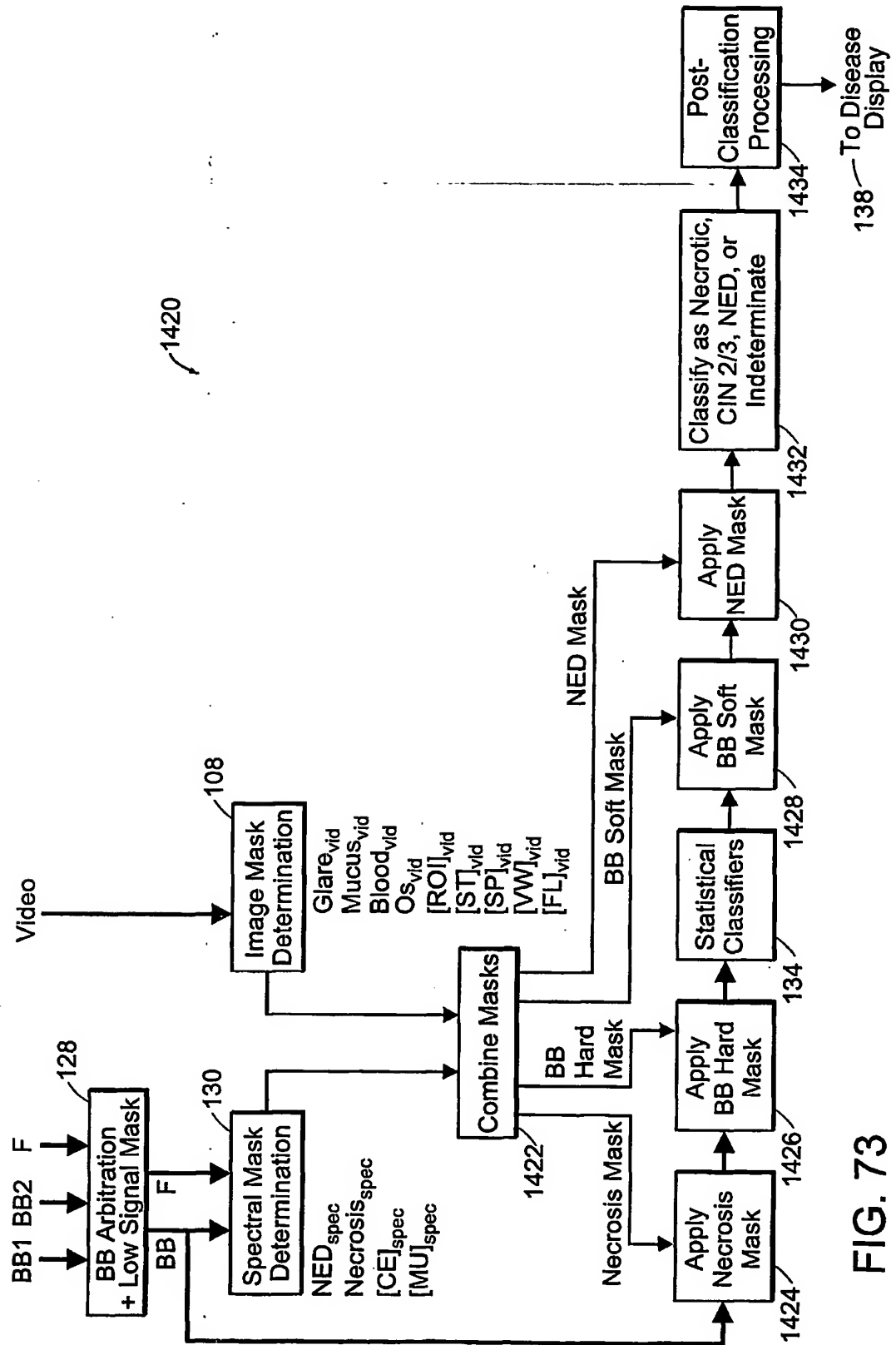


FIG. 73

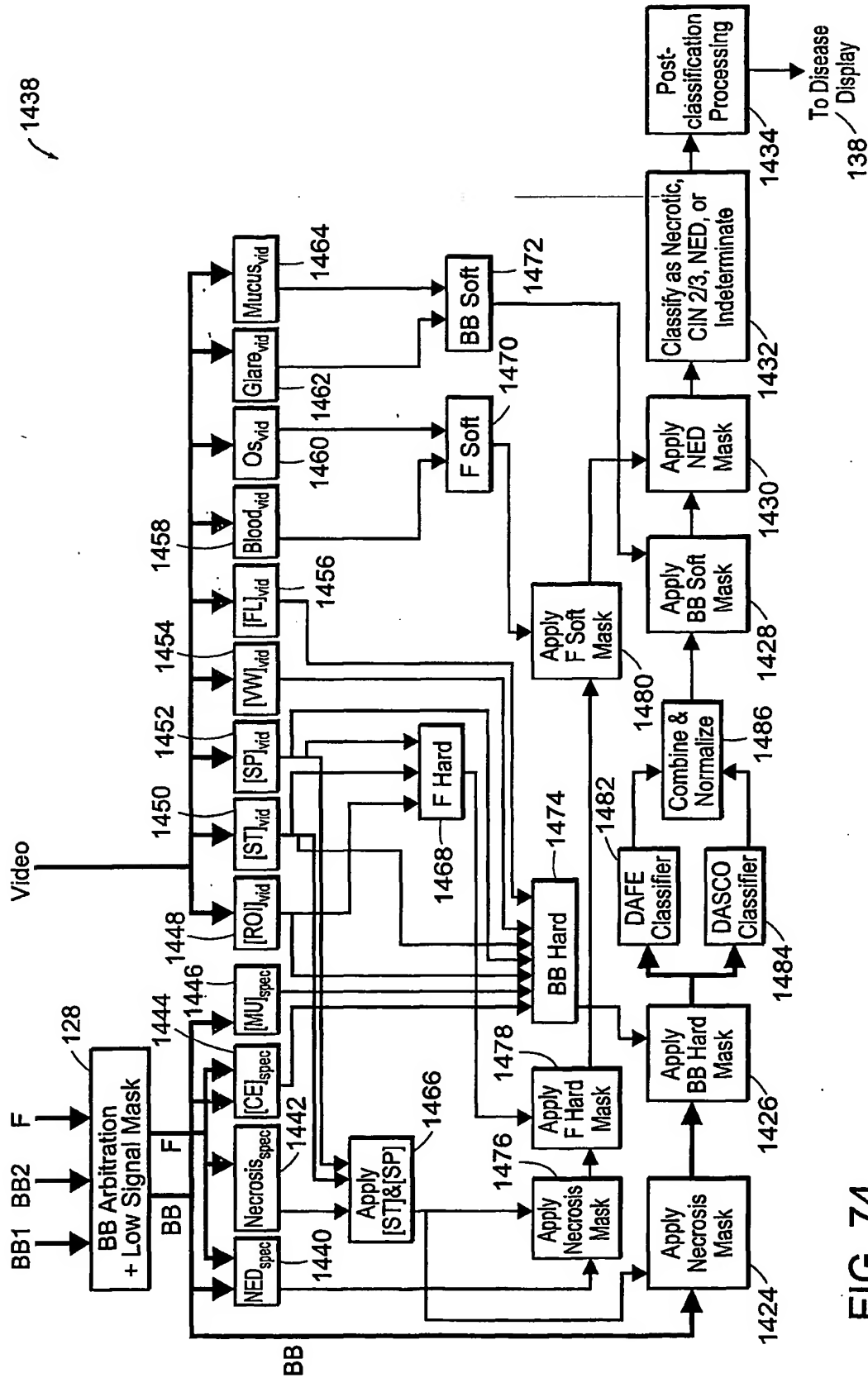
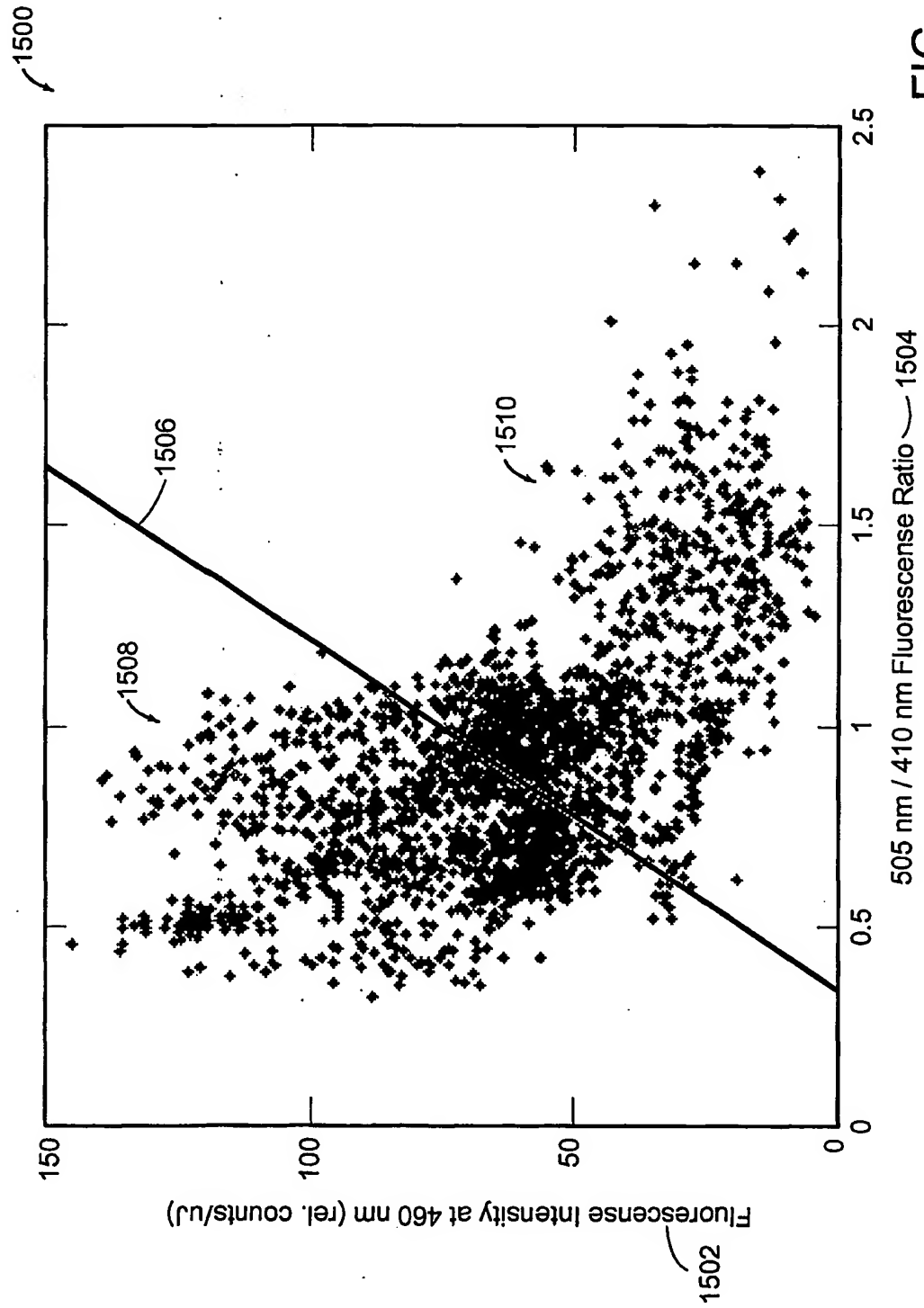


FIG. 74





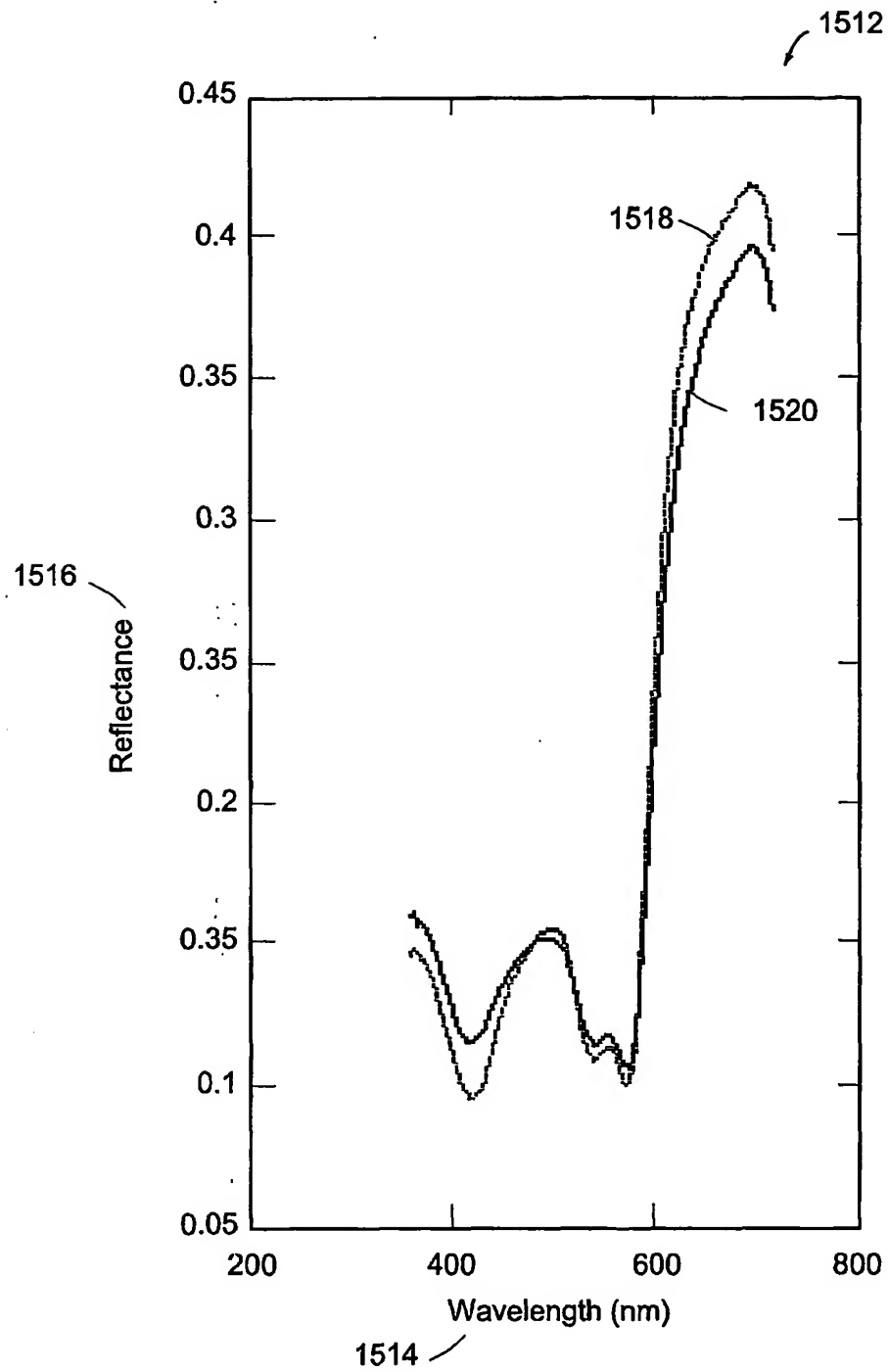


FIG. 76

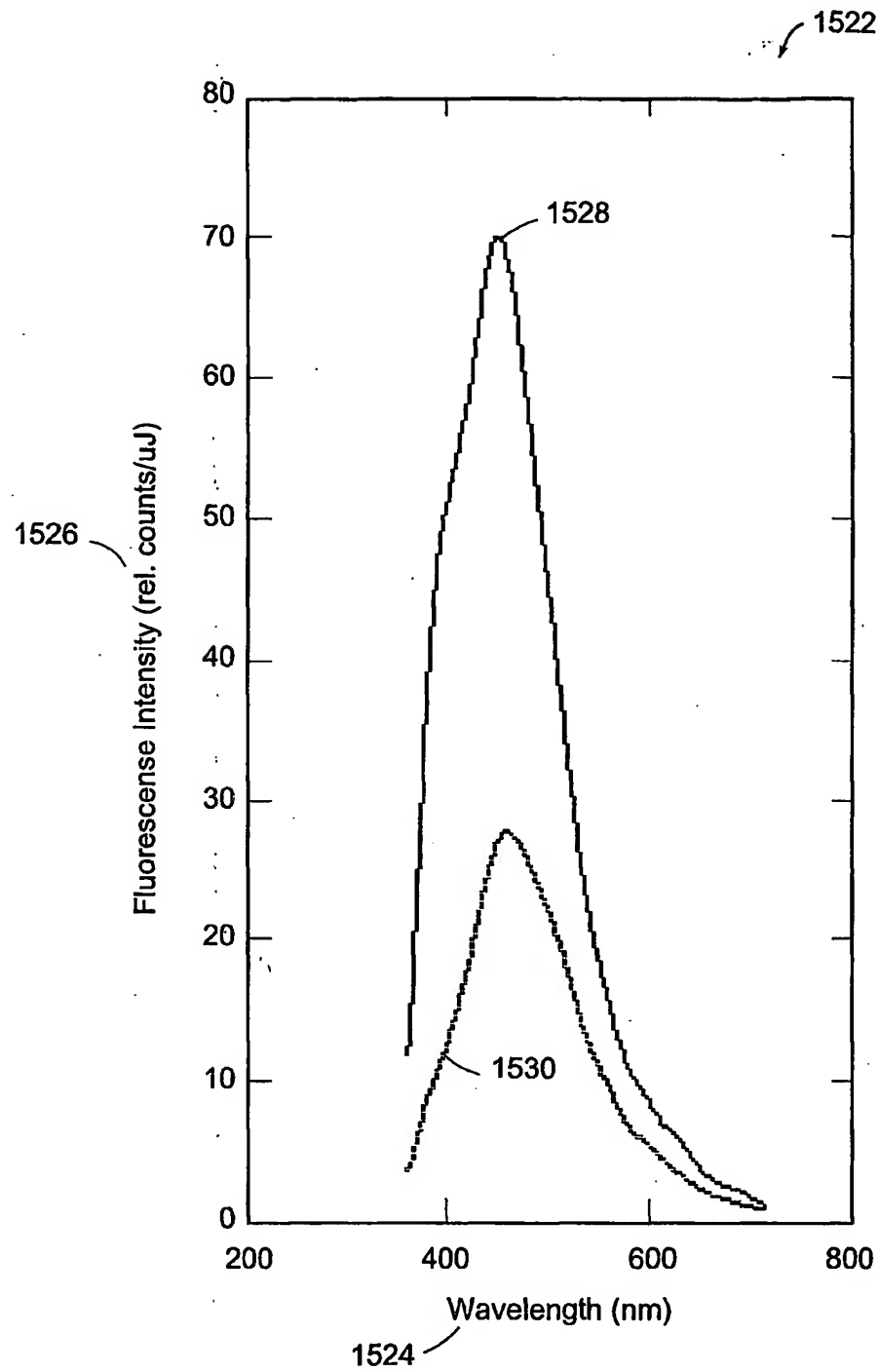
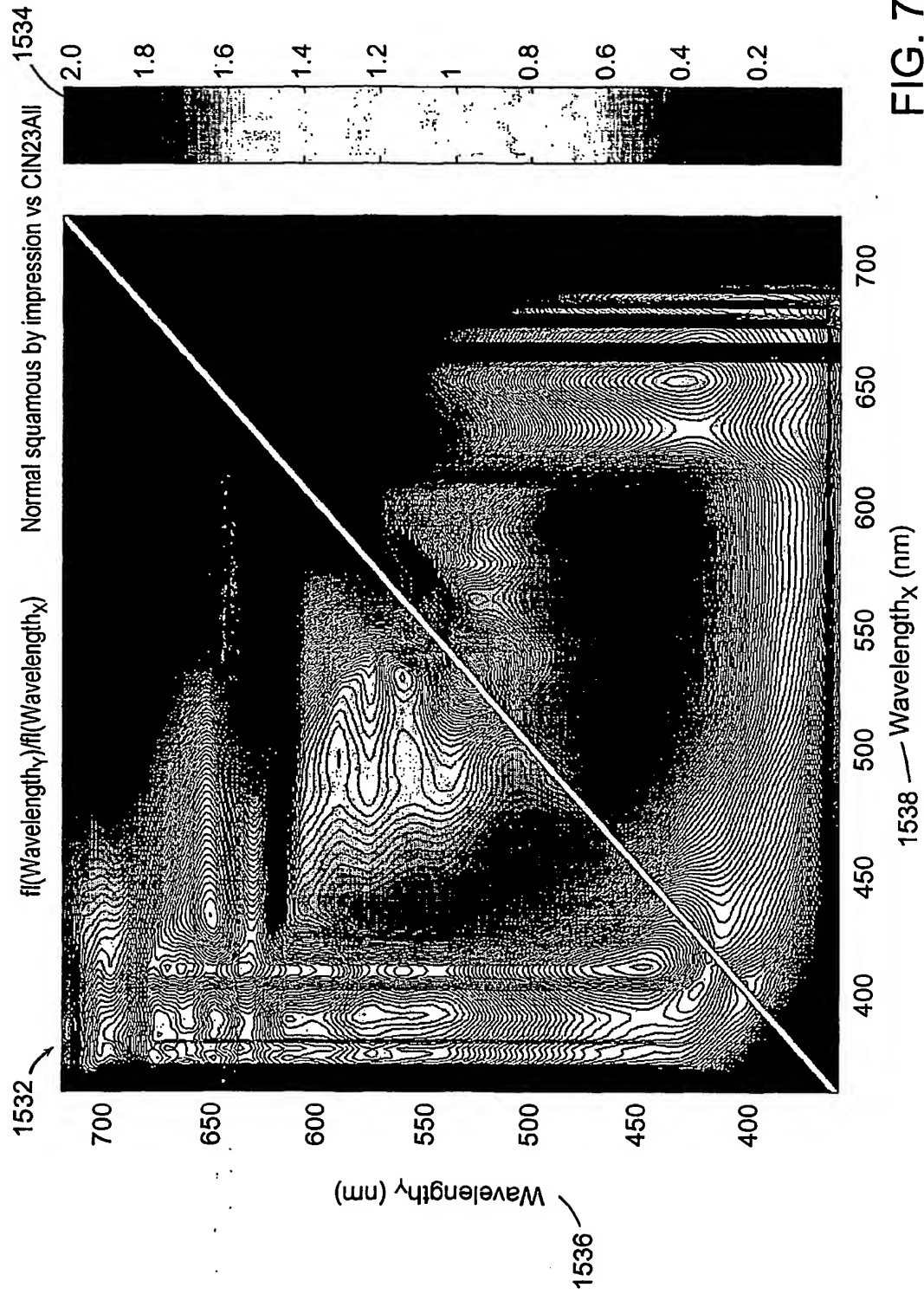


FIG. 77



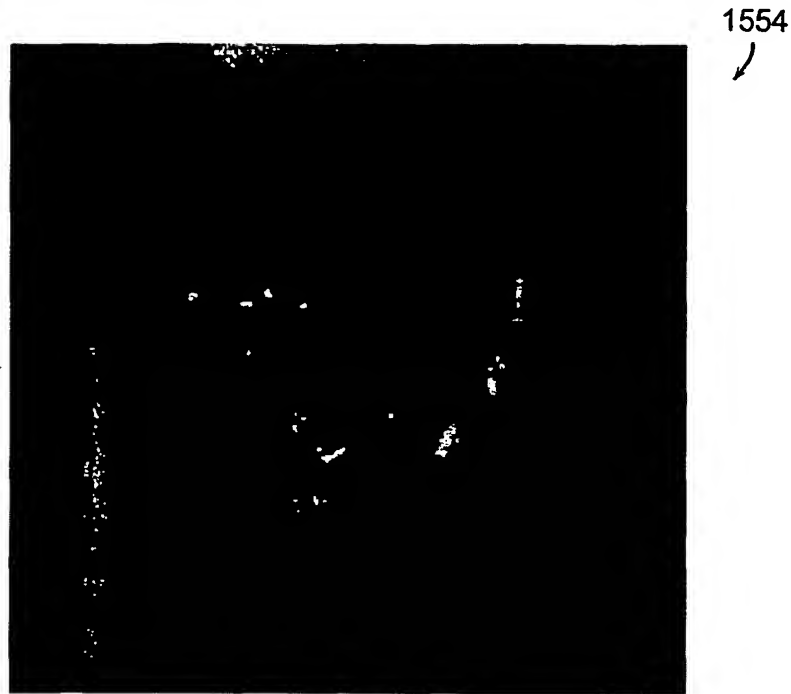


FIG. 79A

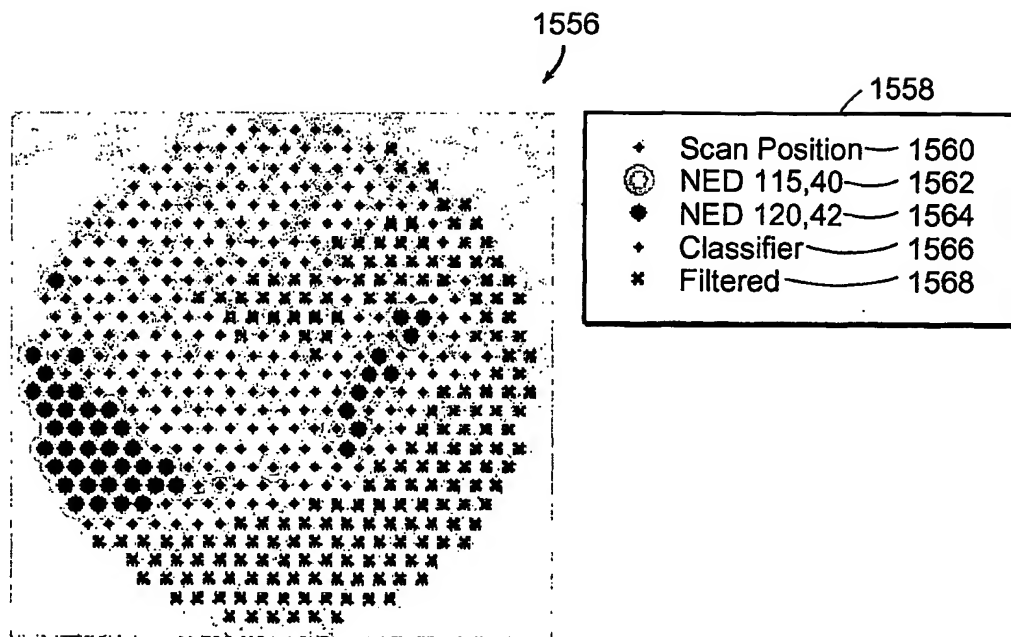


FIG. 79B

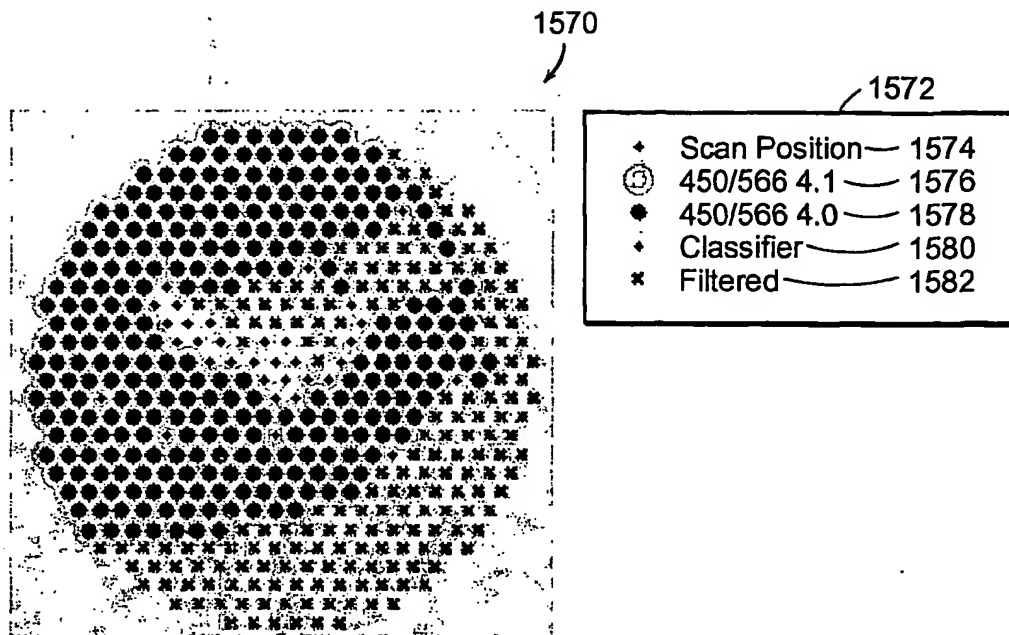


FIG. 79C

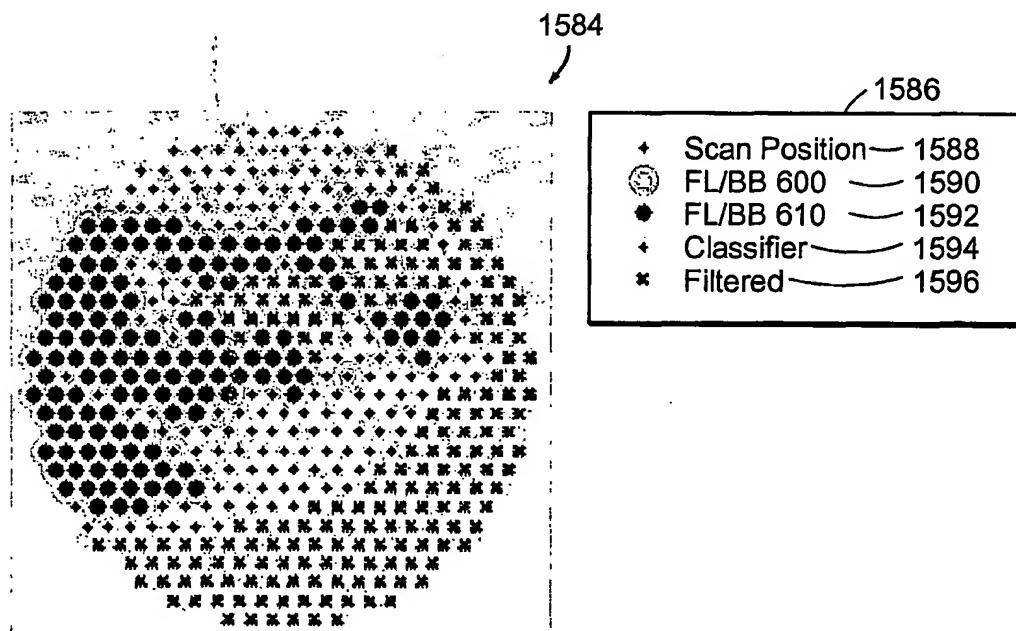


FIG. 79D

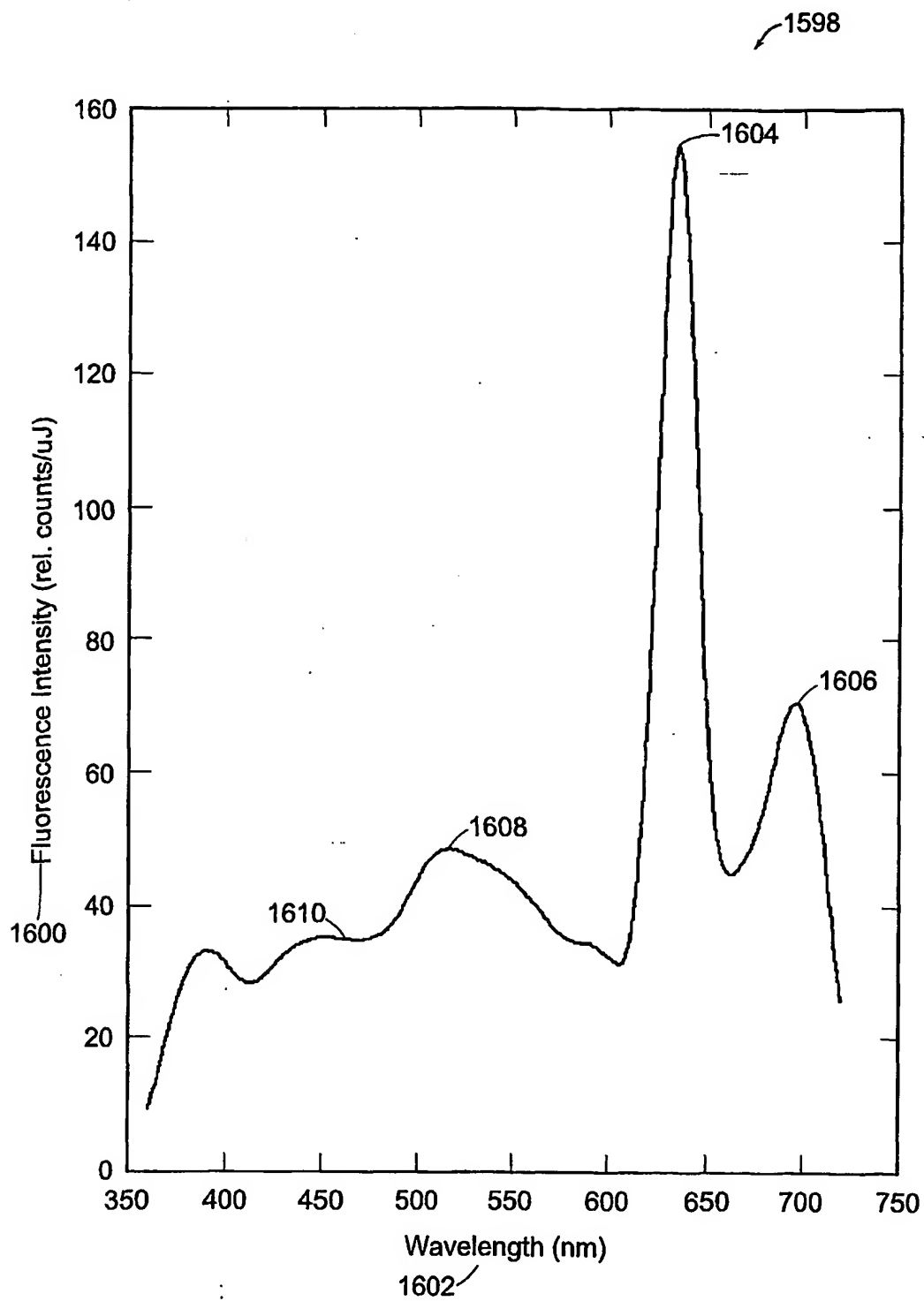


FIG. 80

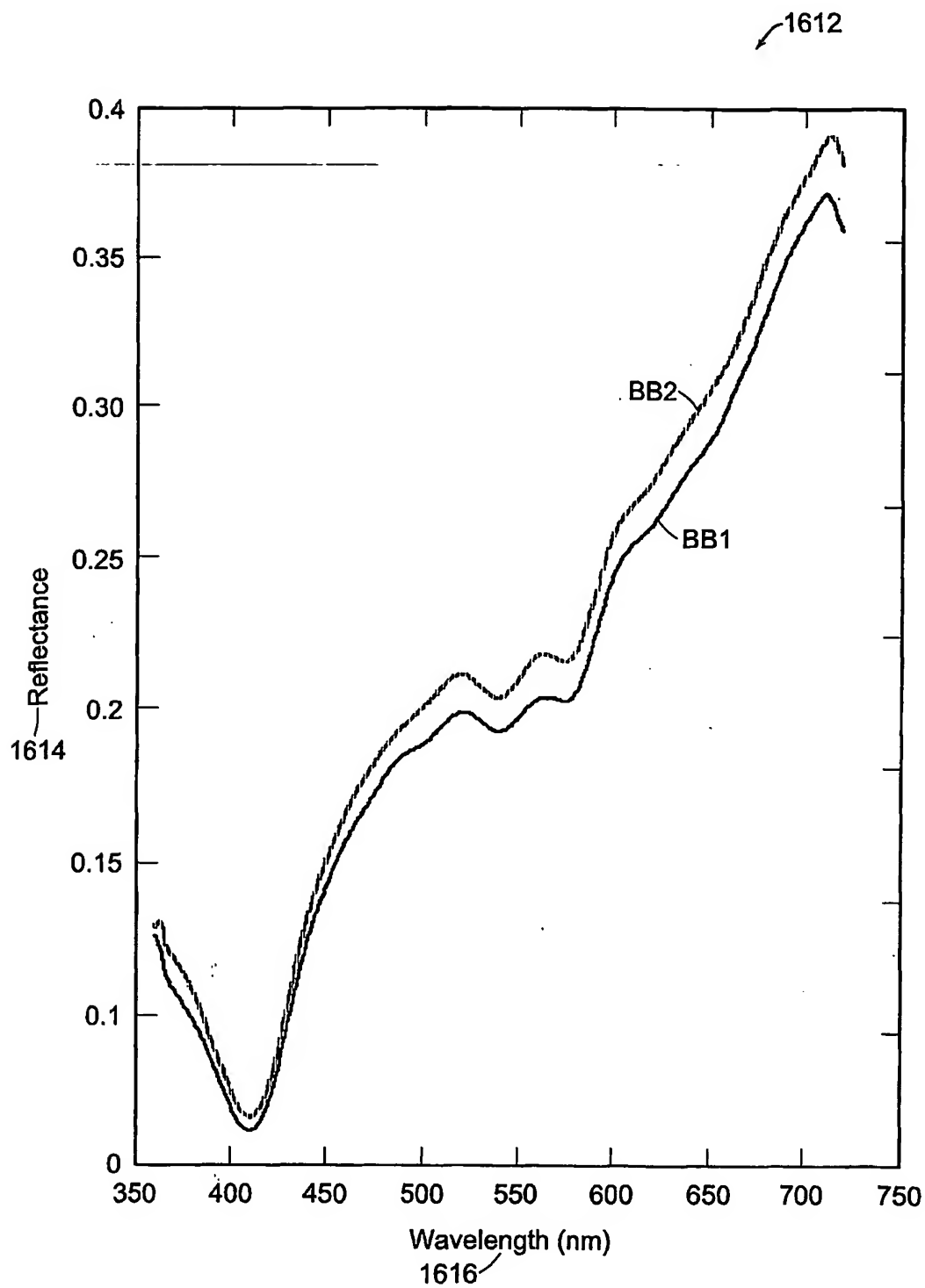


FIG. 81

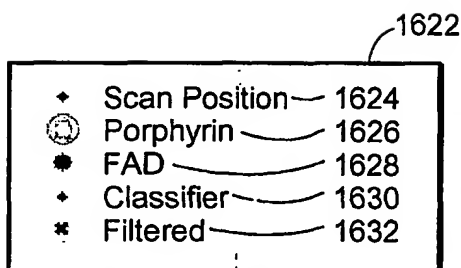




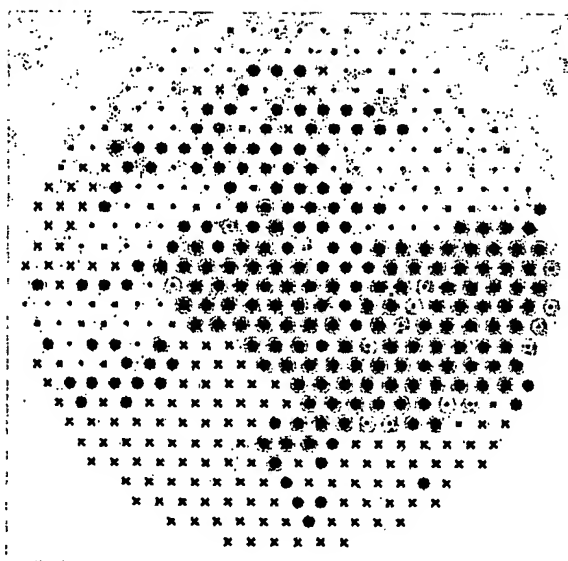
1618

Data V.1.4x

FIG. 82A



1620



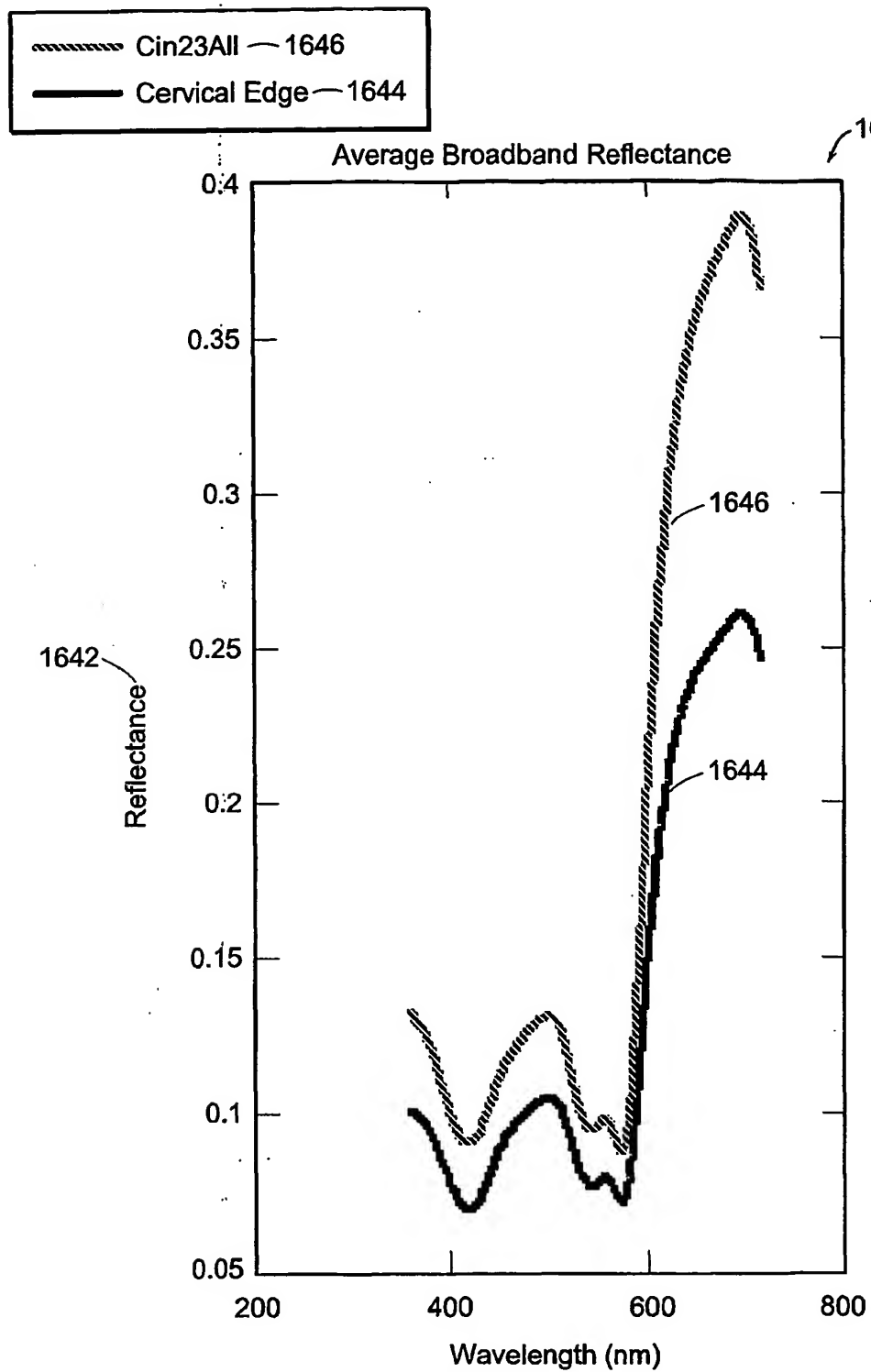
1634

$$r_{dasco} = [0.2, 0.11, 0.3, 0.22, 0.17]$$

1636

$$r_{dafa} = [0.2, 0.14, 0.25, 0.23, 0.18]$$

FIG. 82B

1640  
FIG. 83

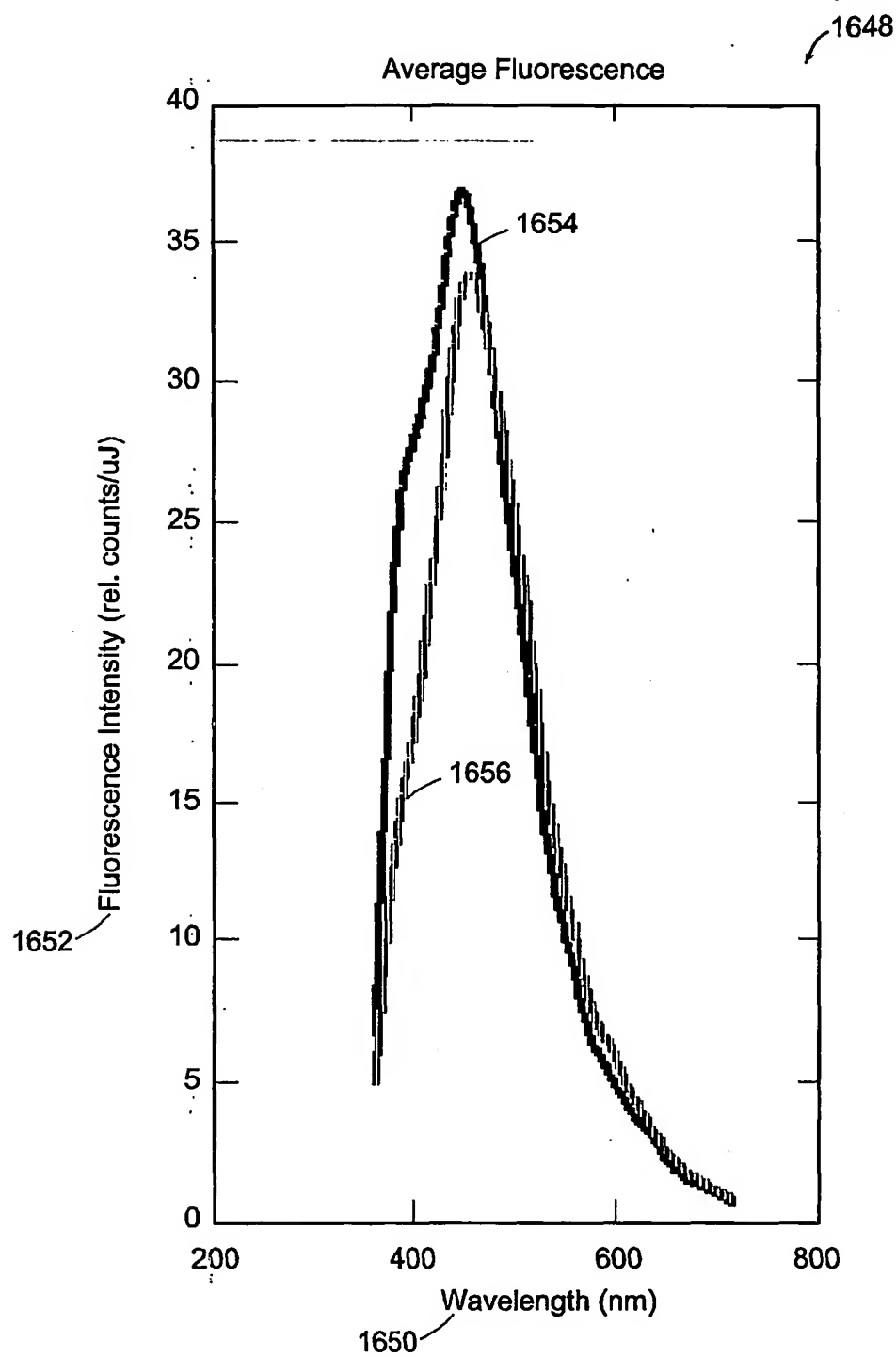


FIG. 84

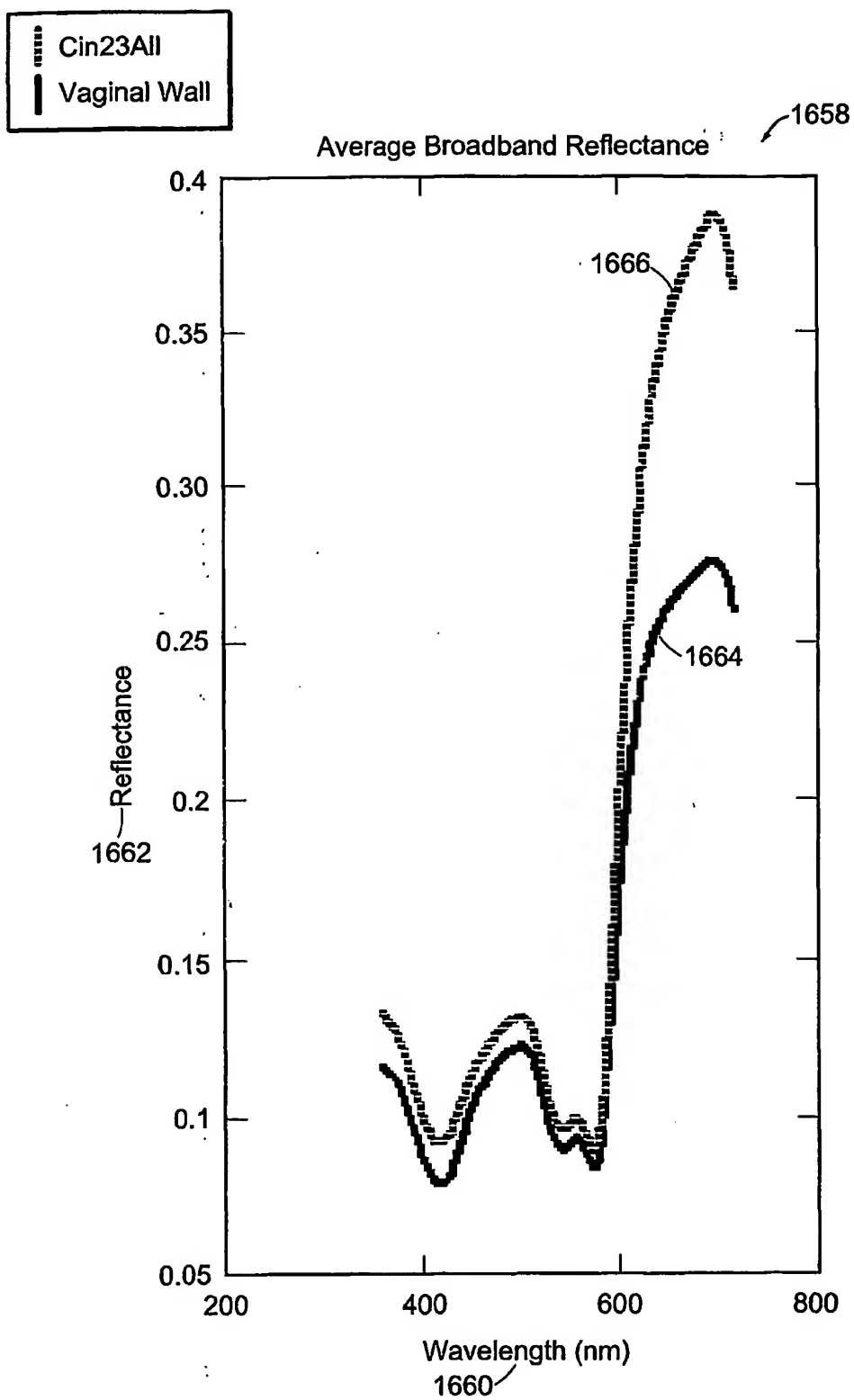


FIG. 85

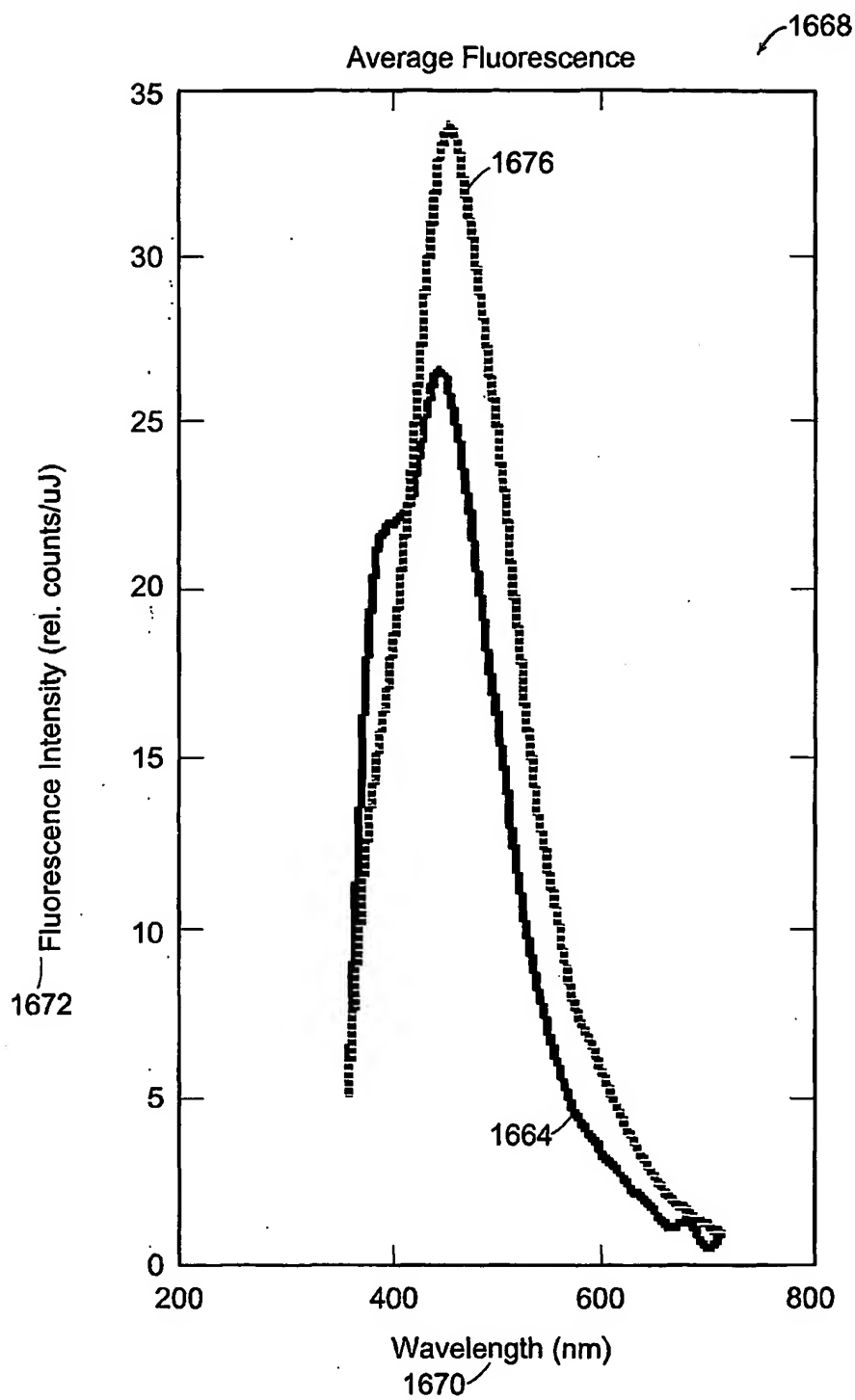


FIG. 86

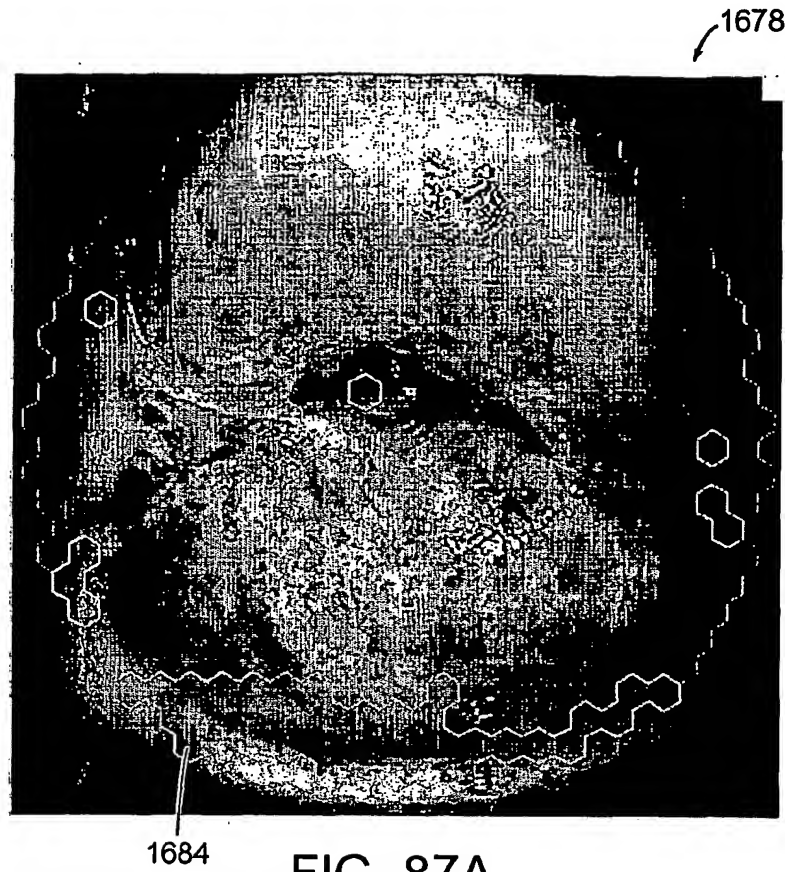


FIG. 87A

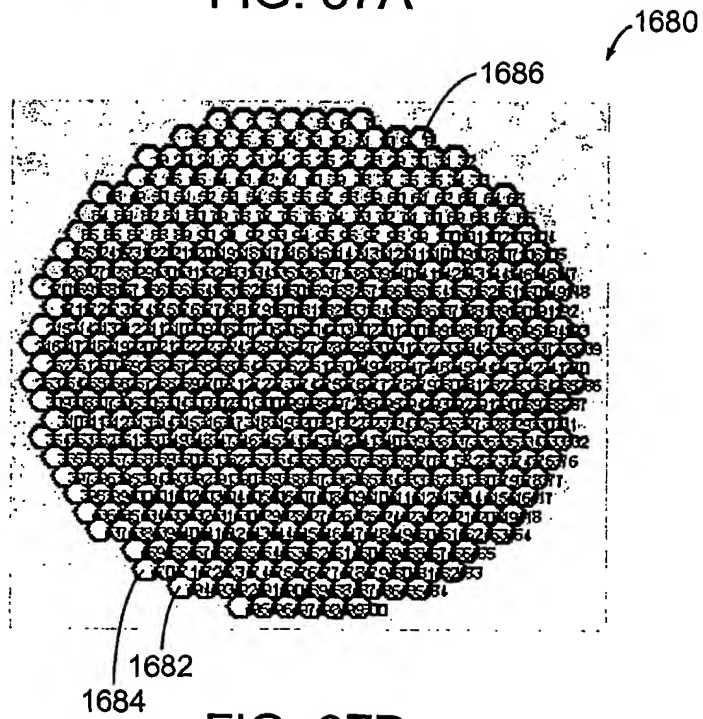


FIG. 87B

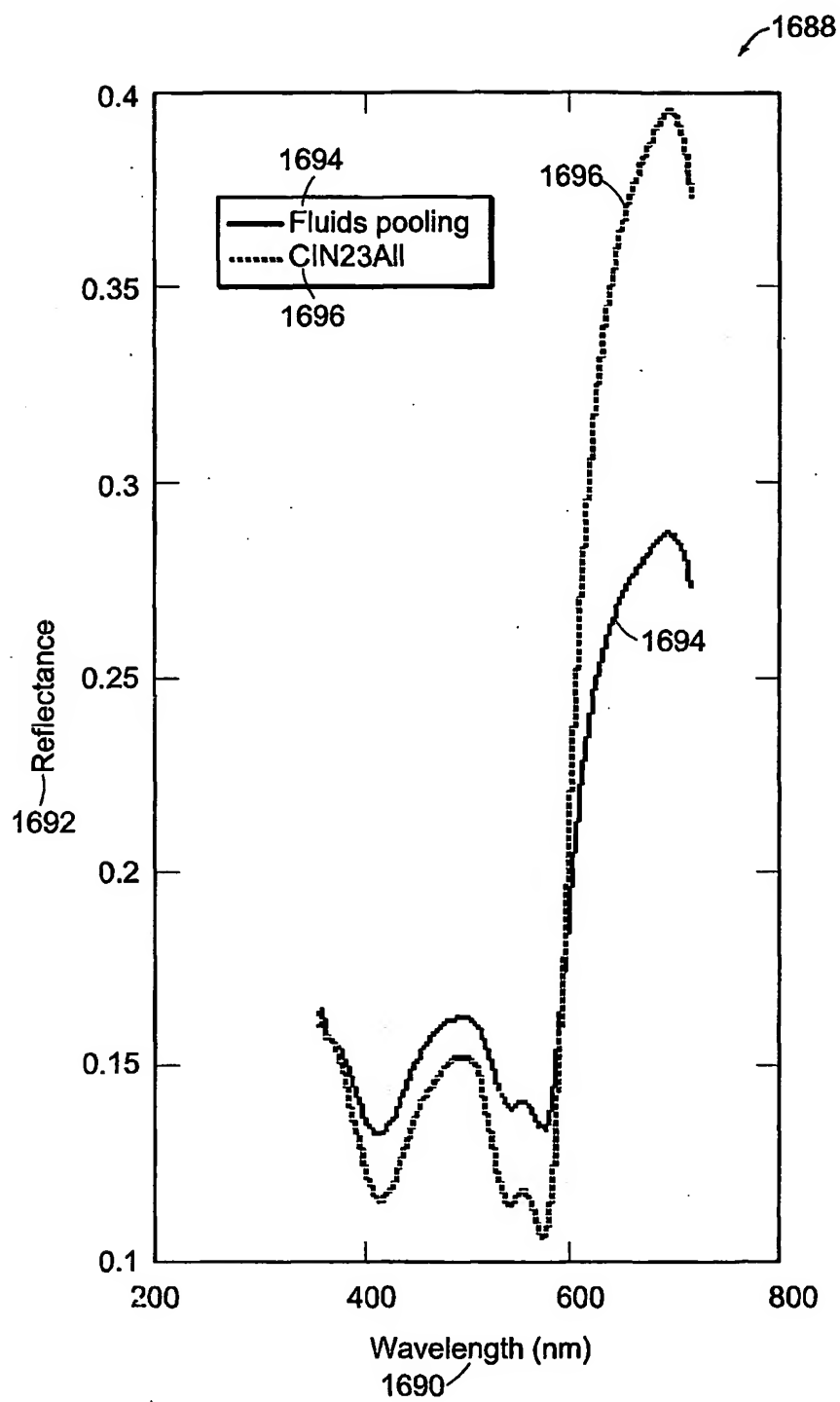


FIG. 88

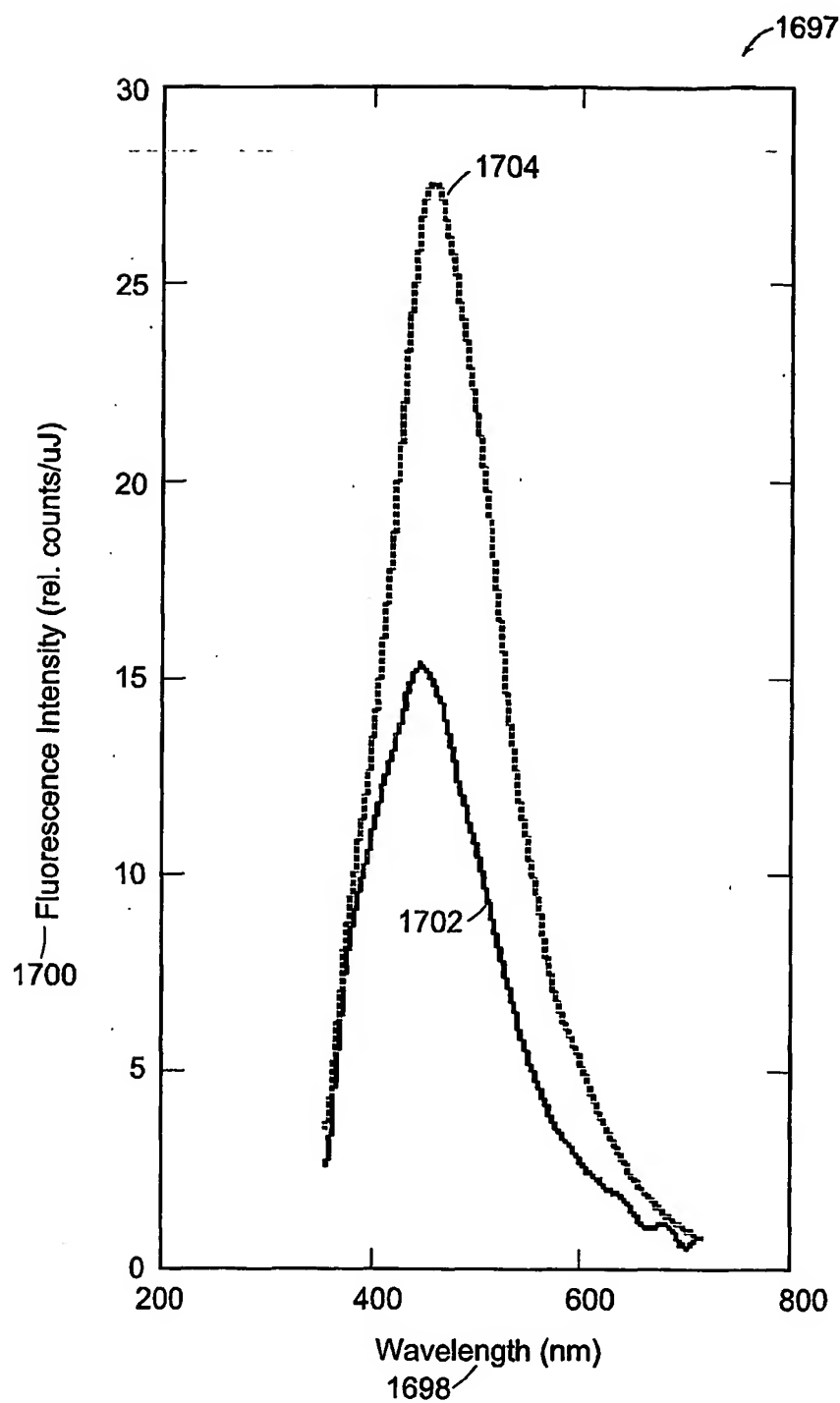


FIG. 89



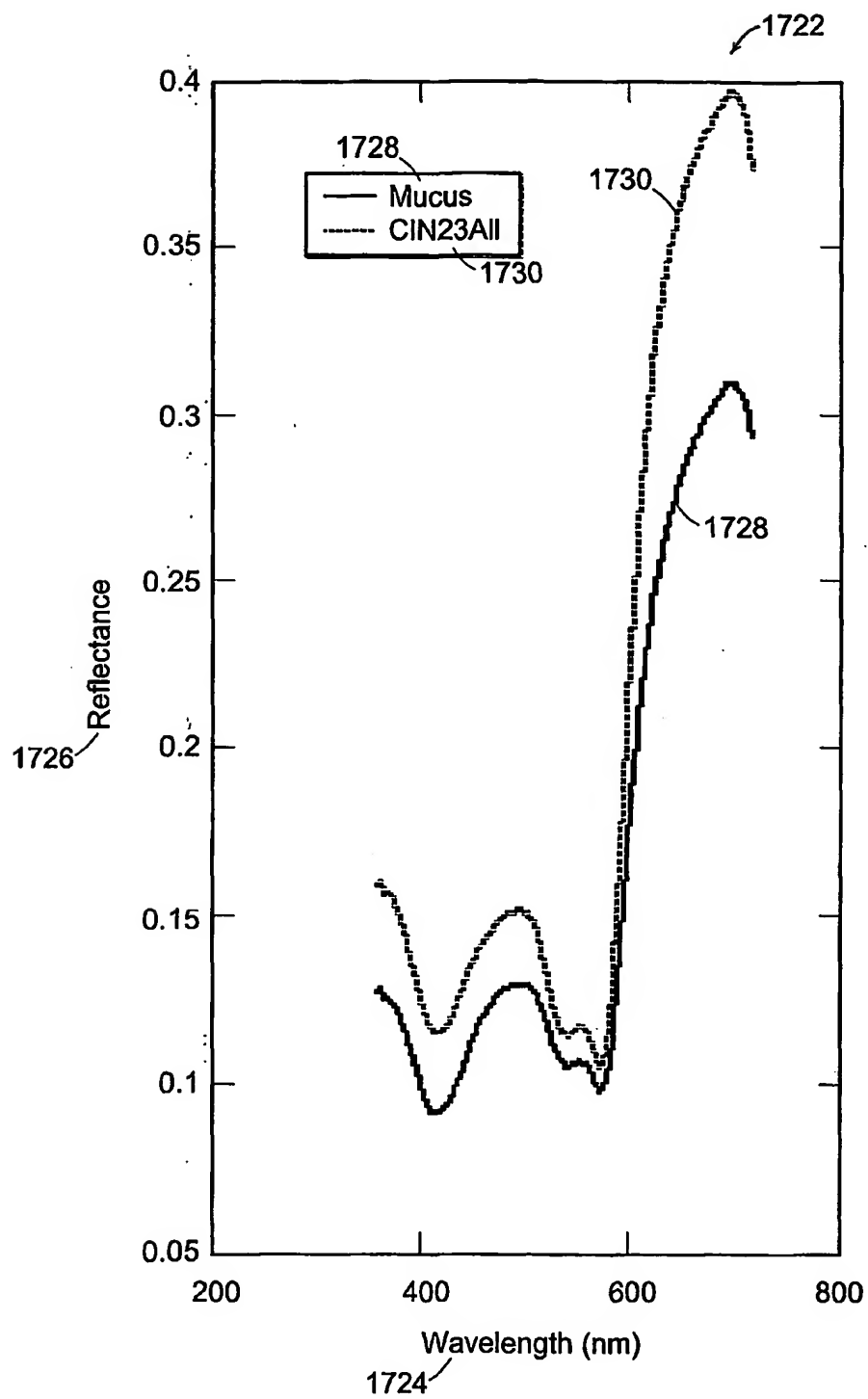


FIG. 90

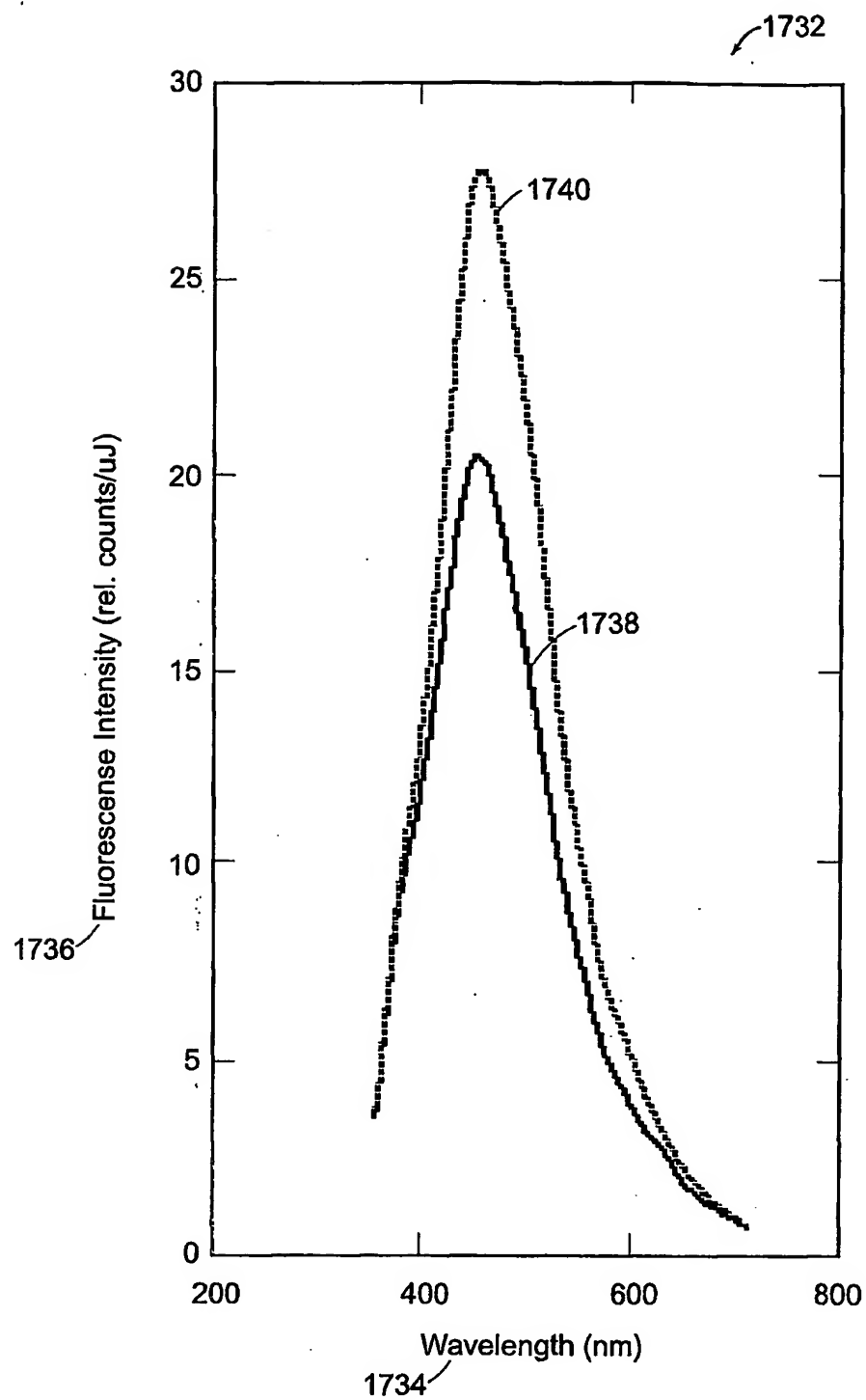
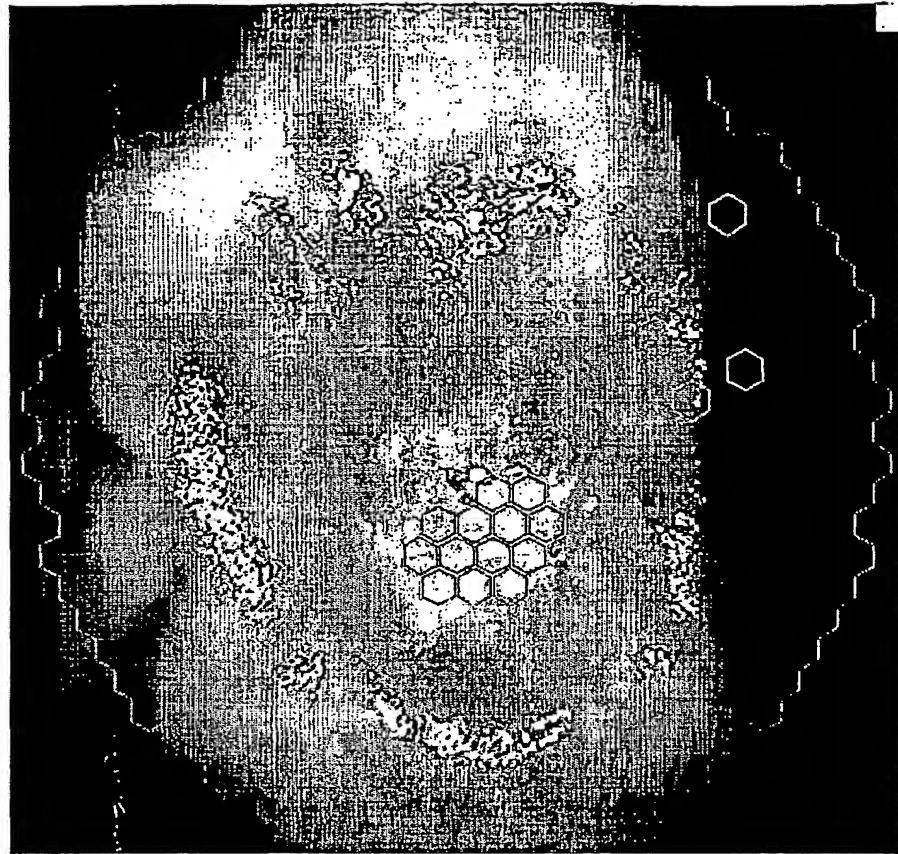


FIG. 91

FIG. 92A



1764

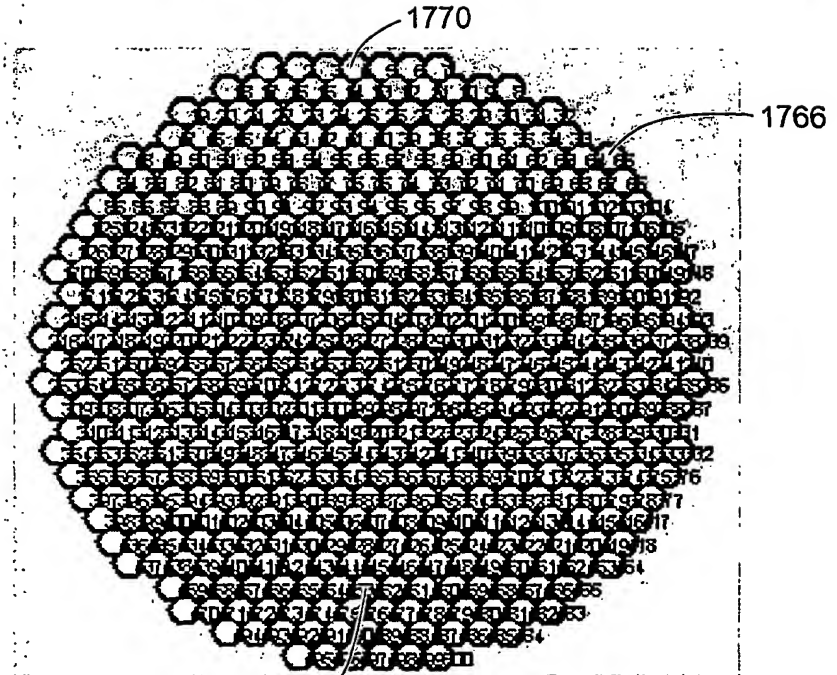


FIG. 92B

1768

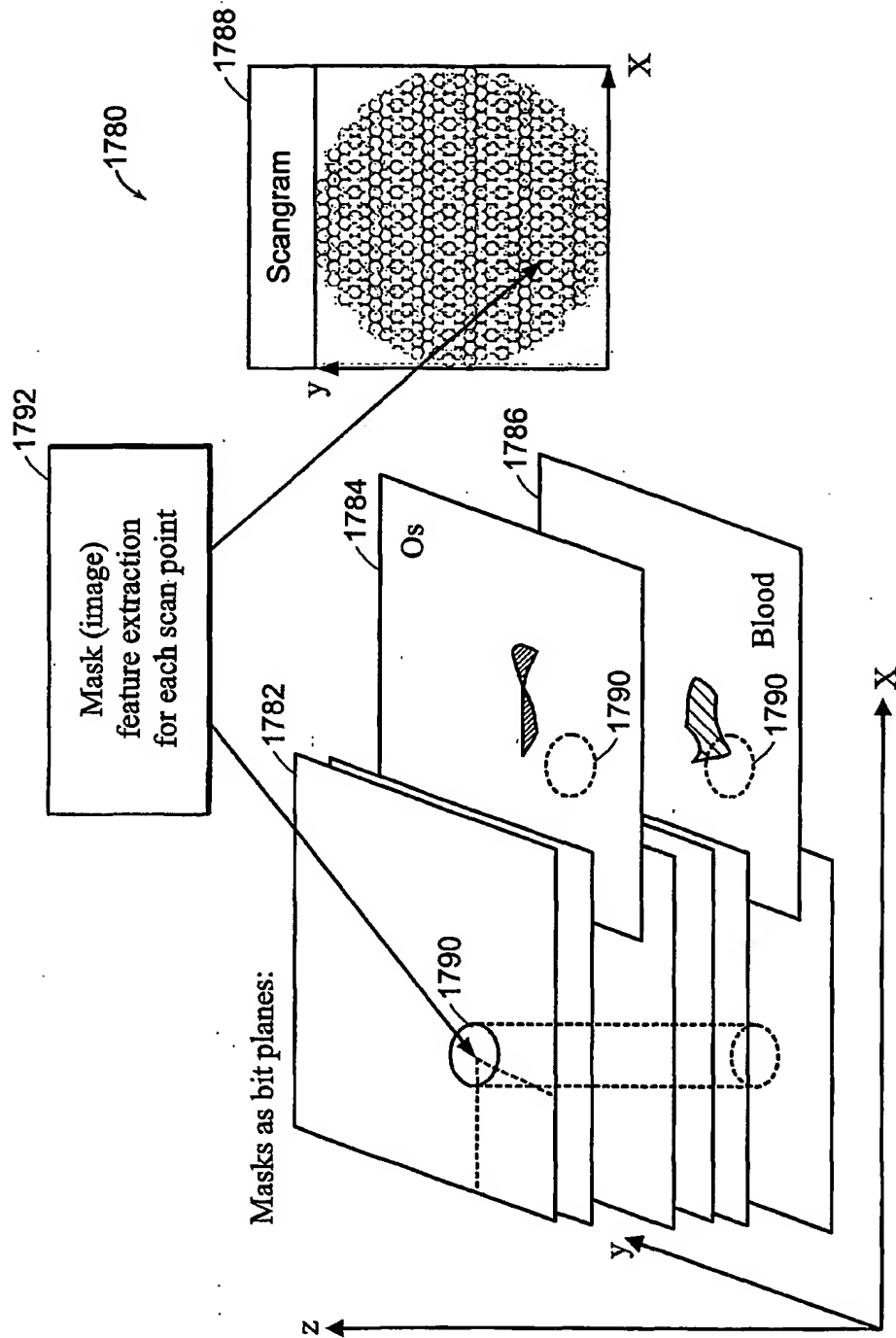


FIG. 93

FIG. 94A

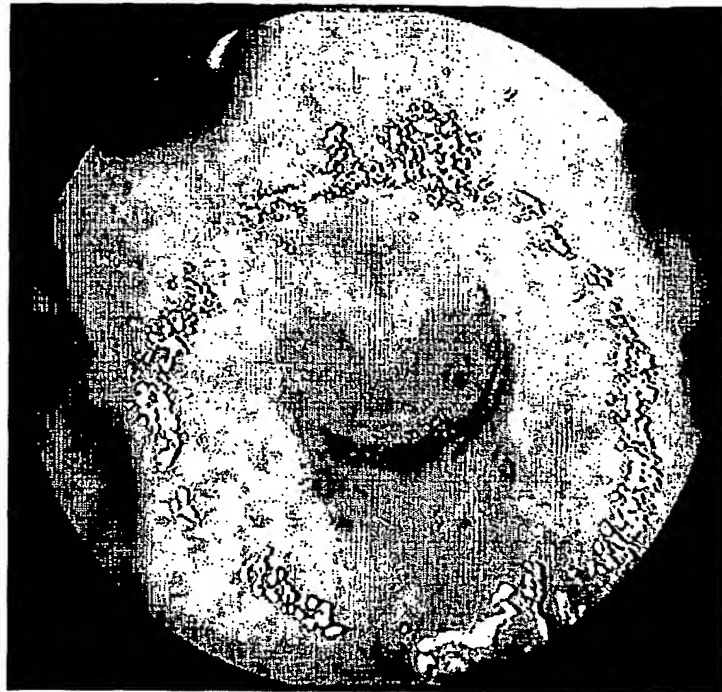


FIG. 94B



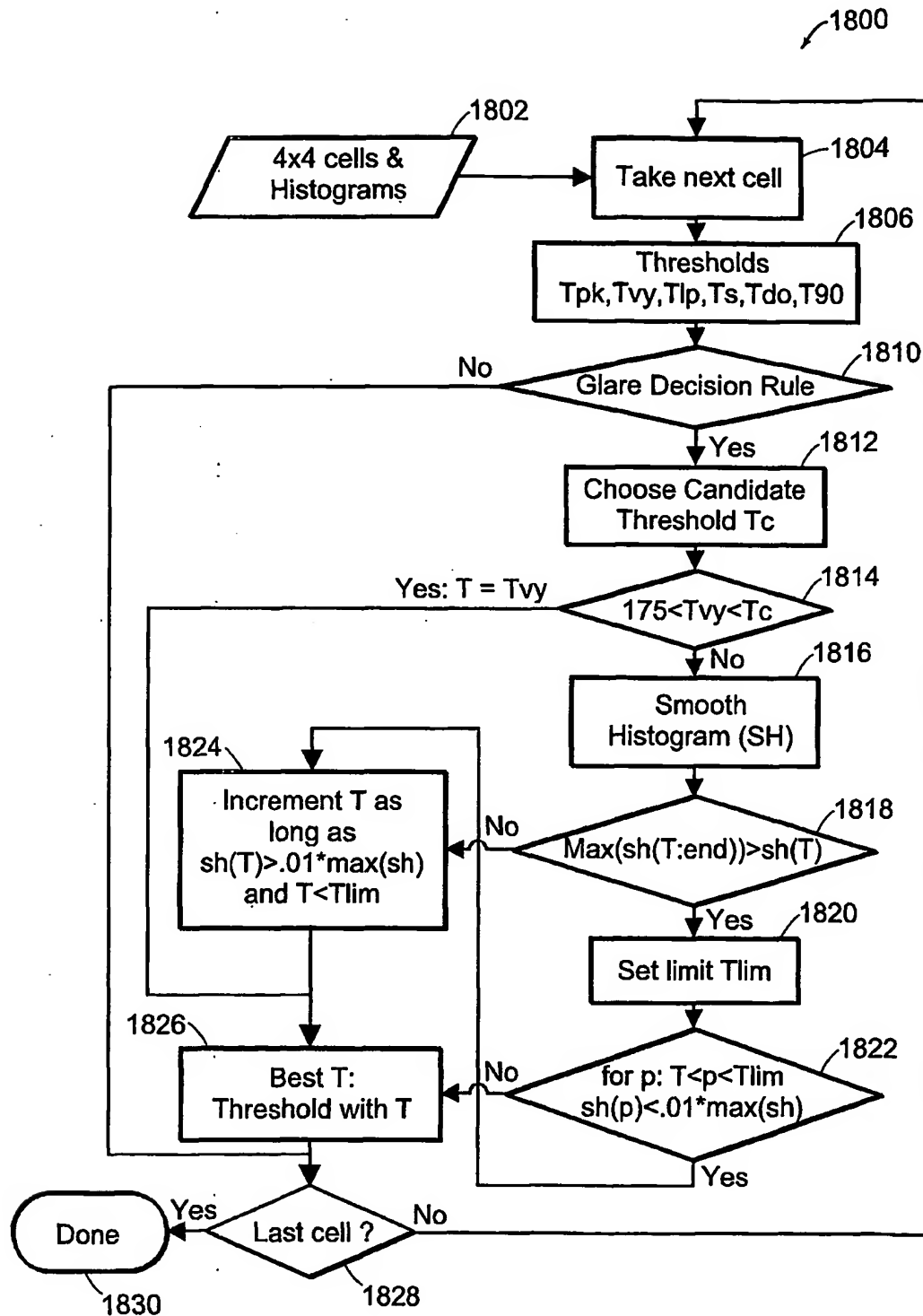


FIG. 95

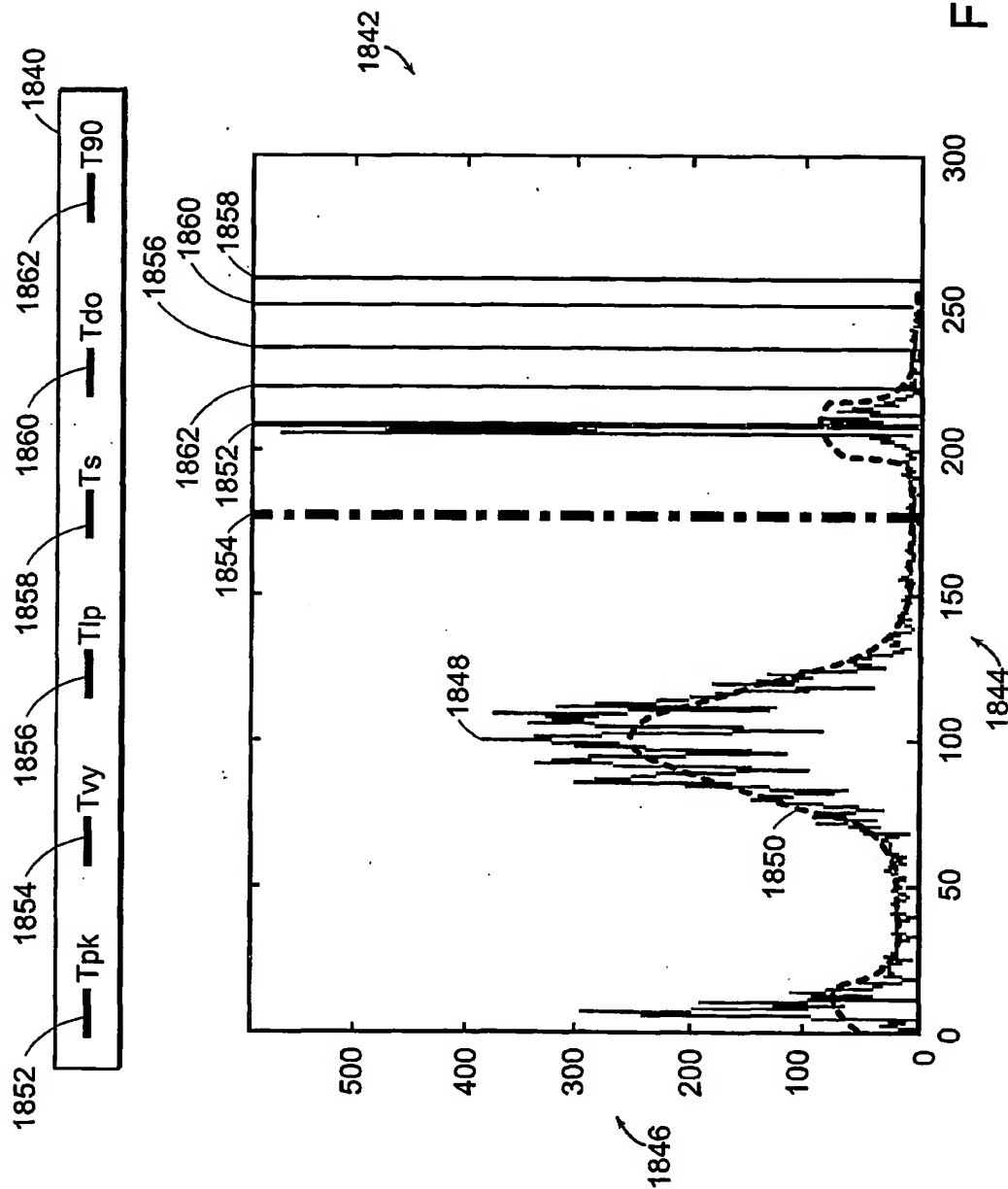


FIG. 97A

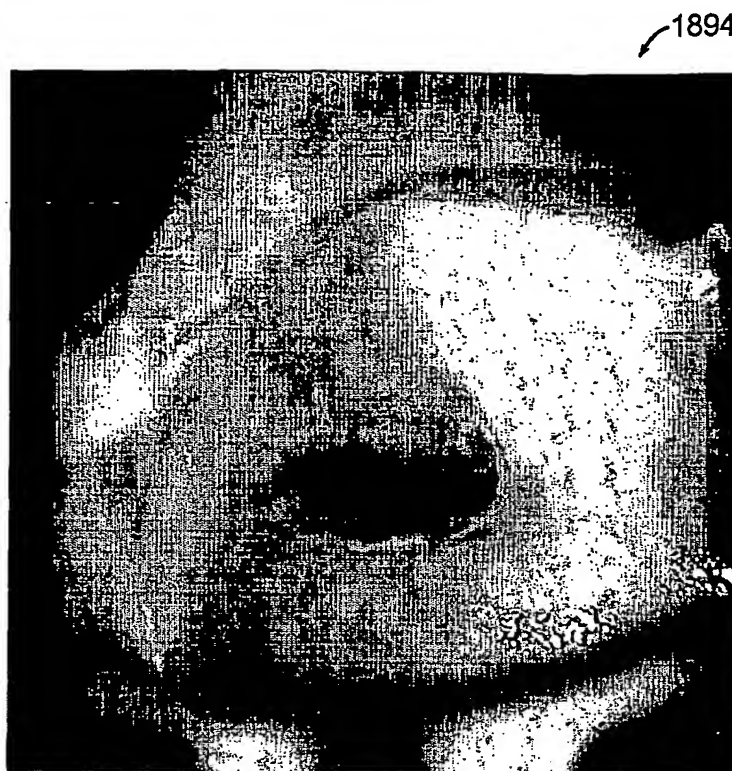
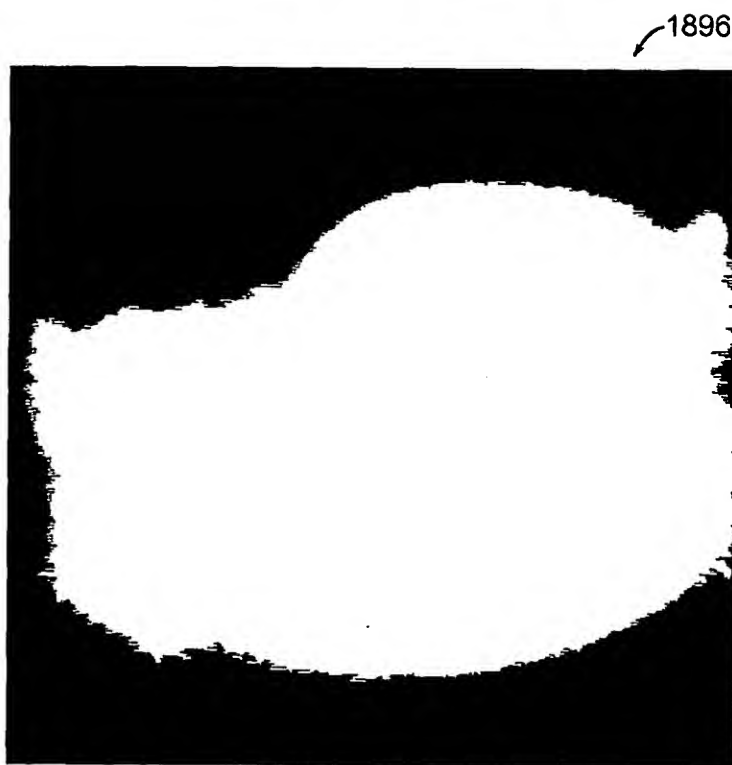


FIG. 97B





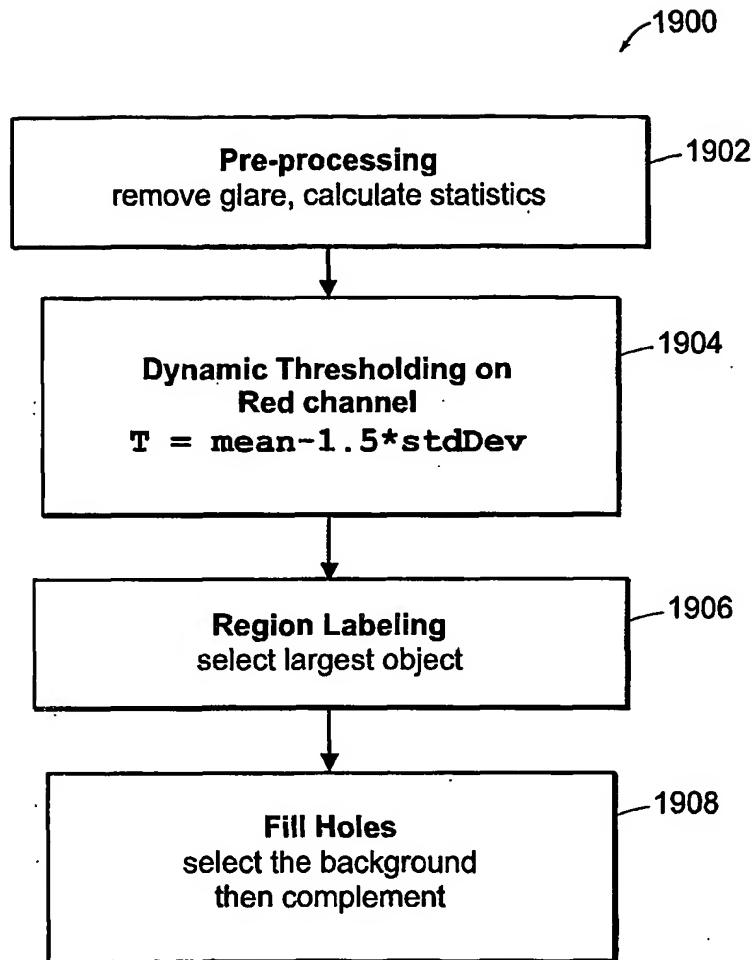


FIG. 98

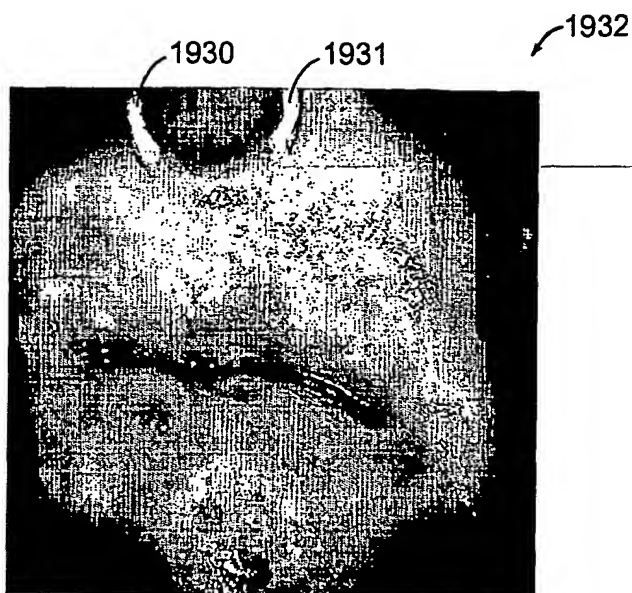


FIG. 99A

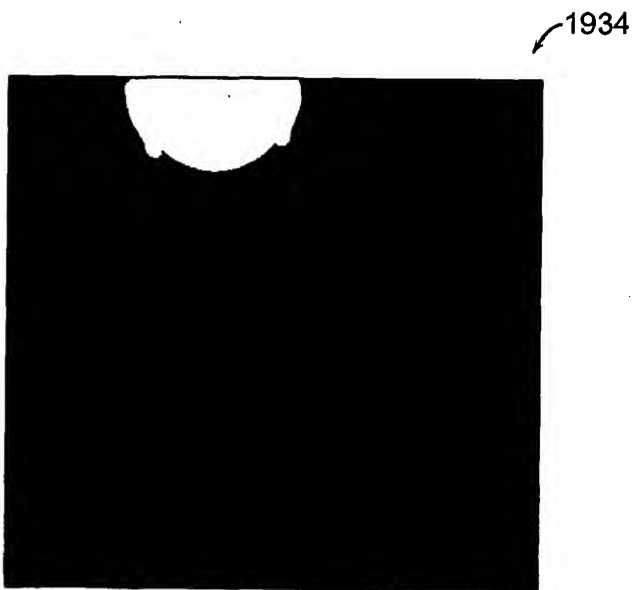
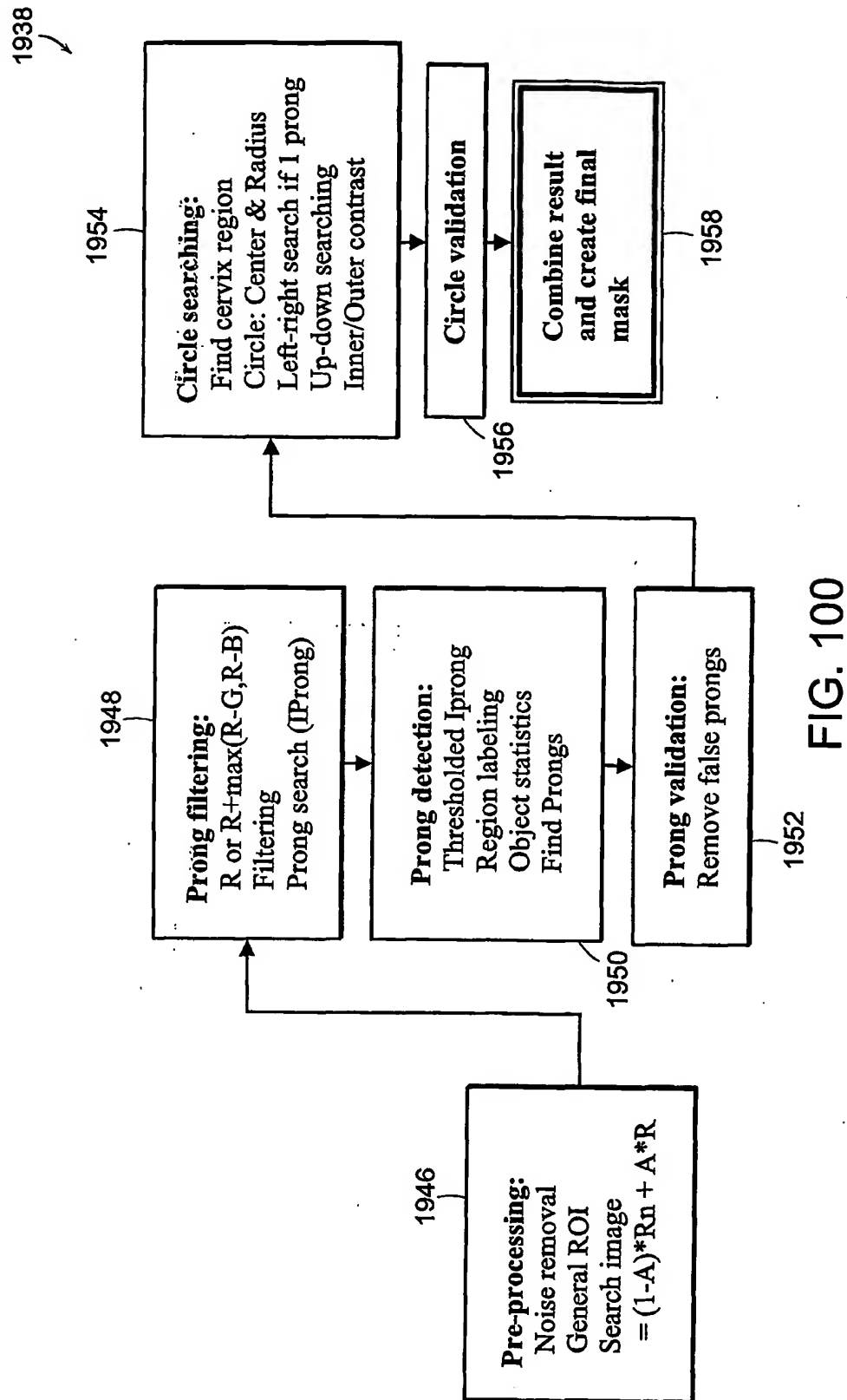


FIG. 99B



1968

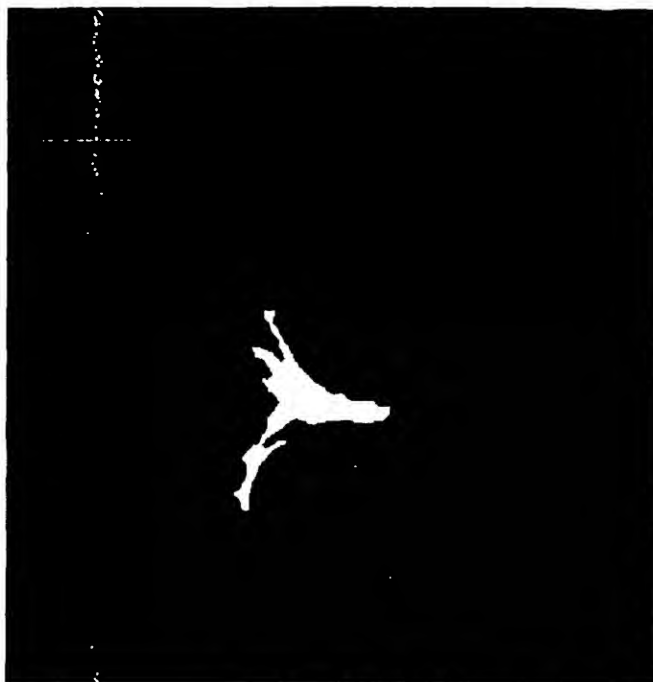


FIG. 101B

1964



FIG. 101A

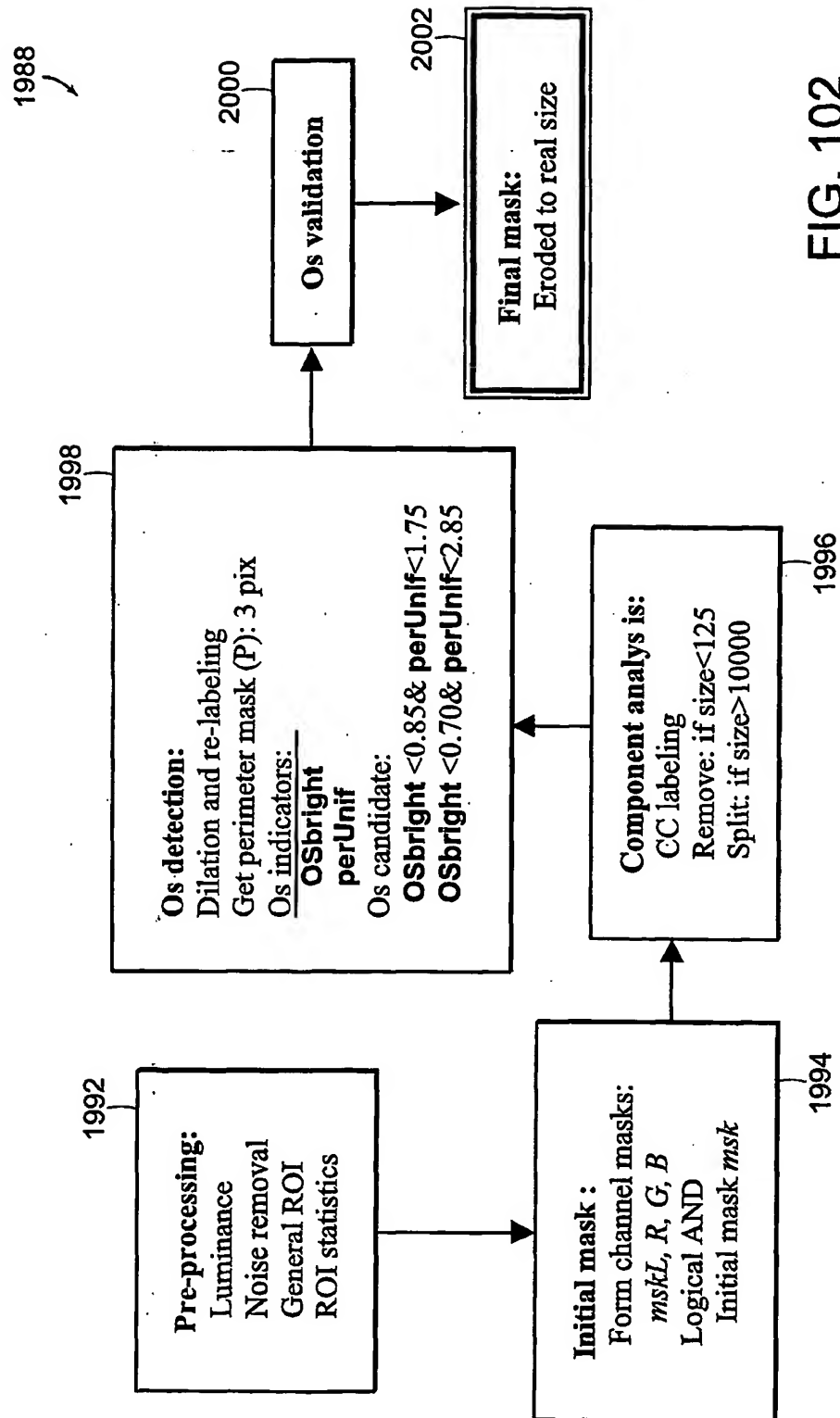


FIG. 102

2012

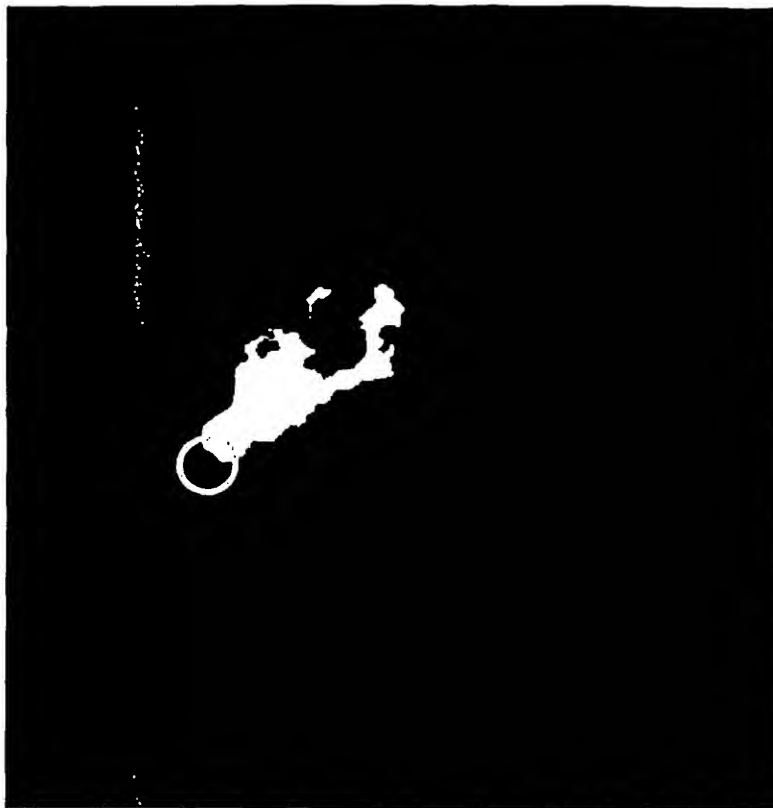


FIG. 103B

2008



FIG. 103A

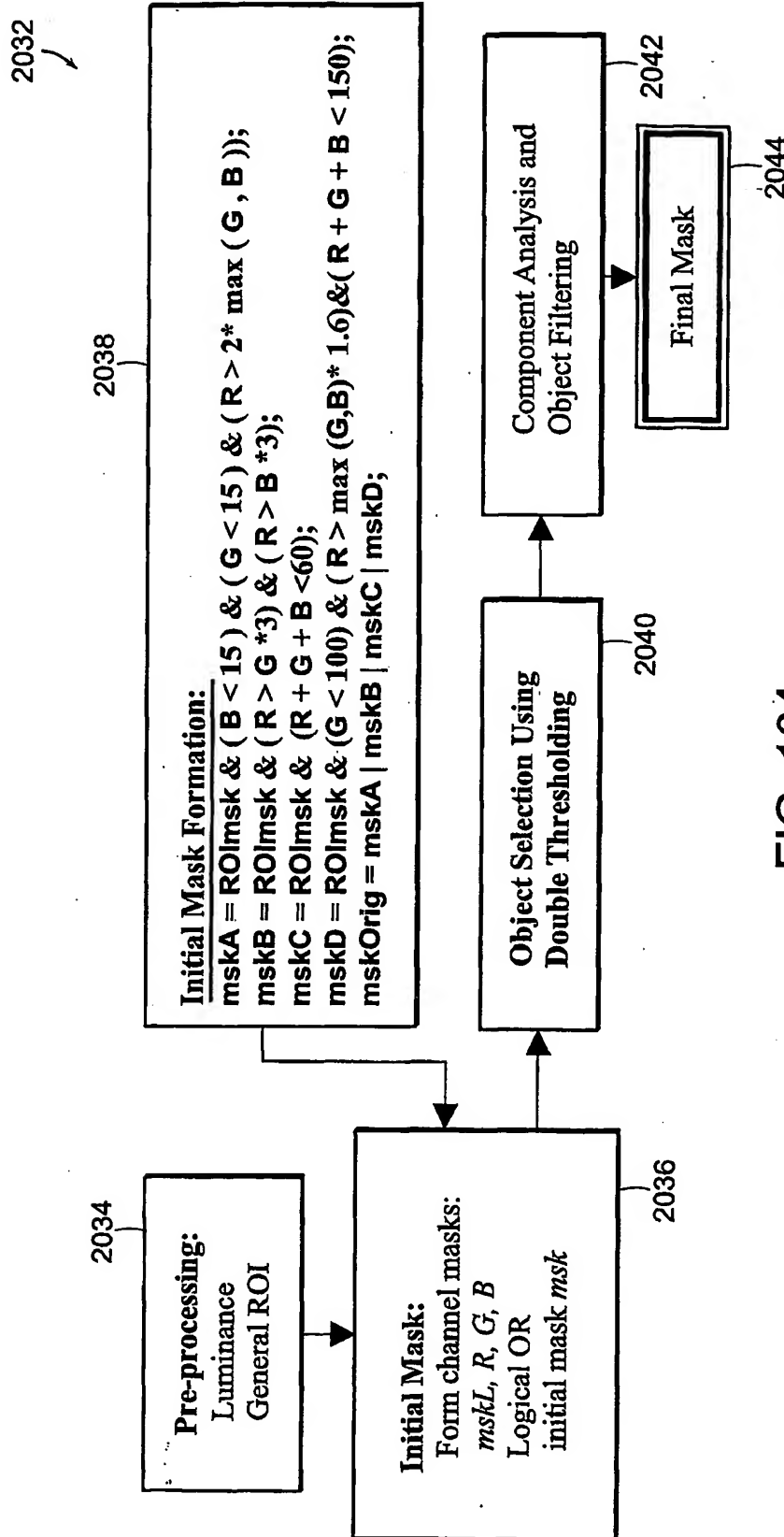


FIG. 104

2068

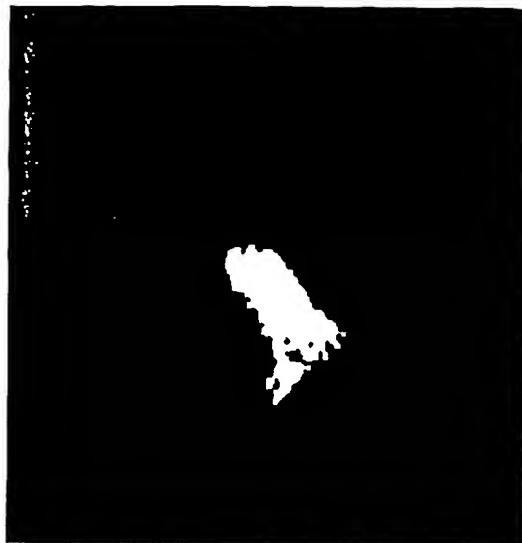


FIG. 105B

2064



FIG. 105A



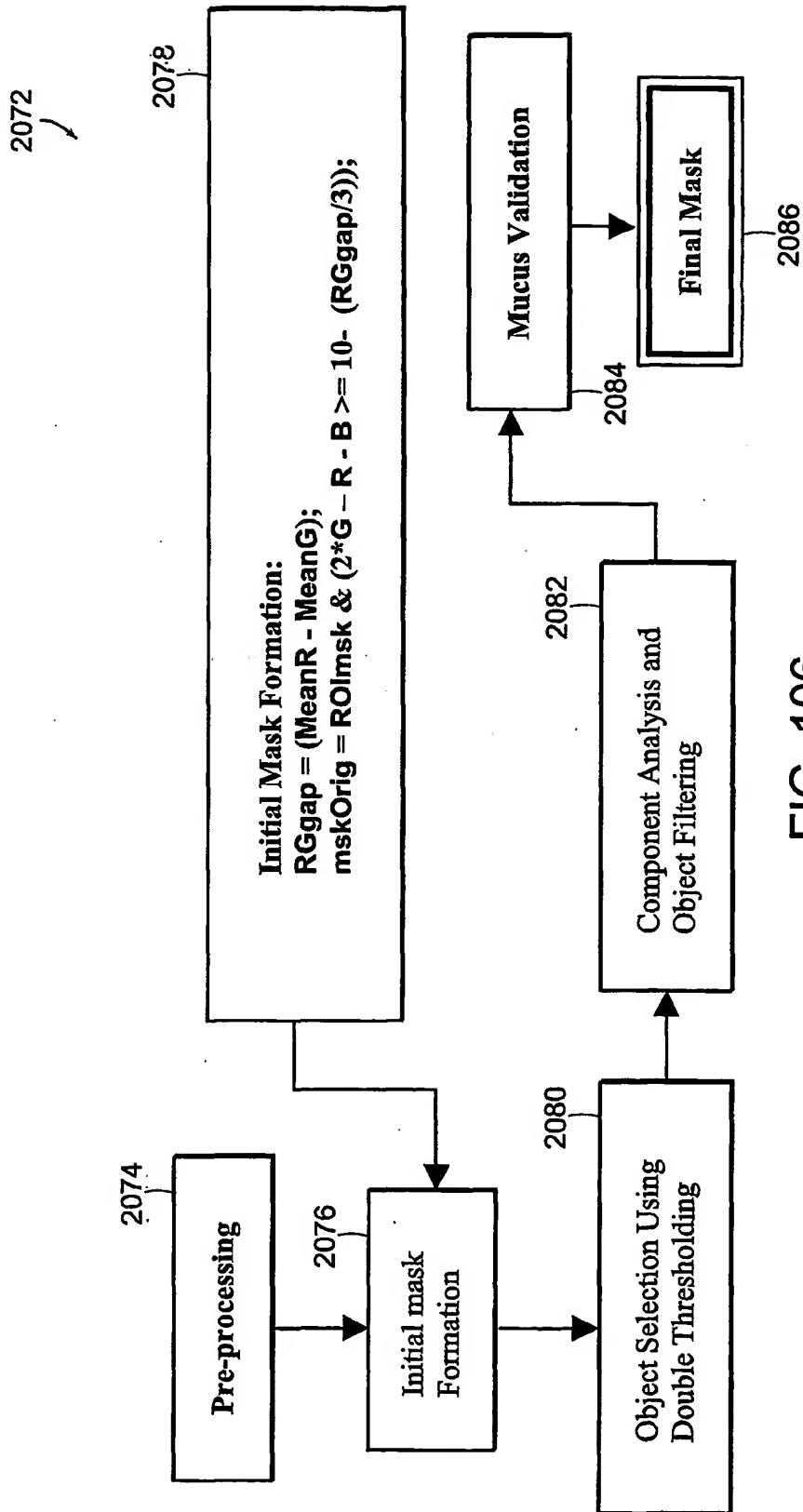


FIG. 106

2100

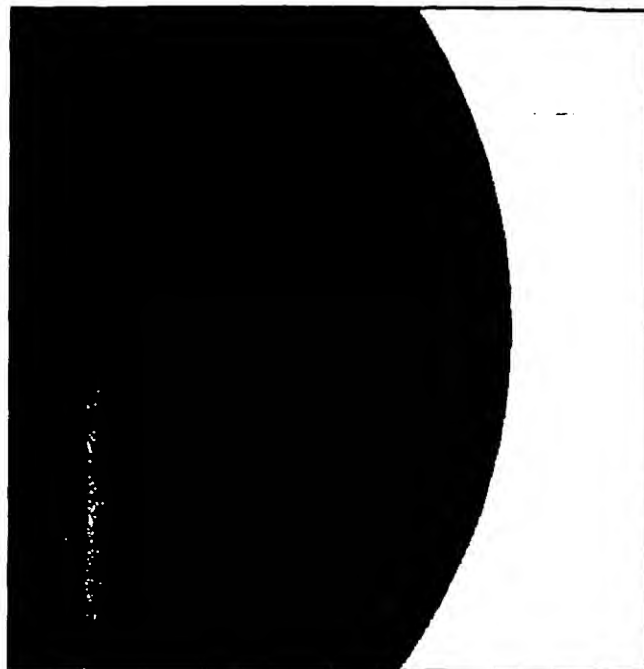


FIG. 107B

2098

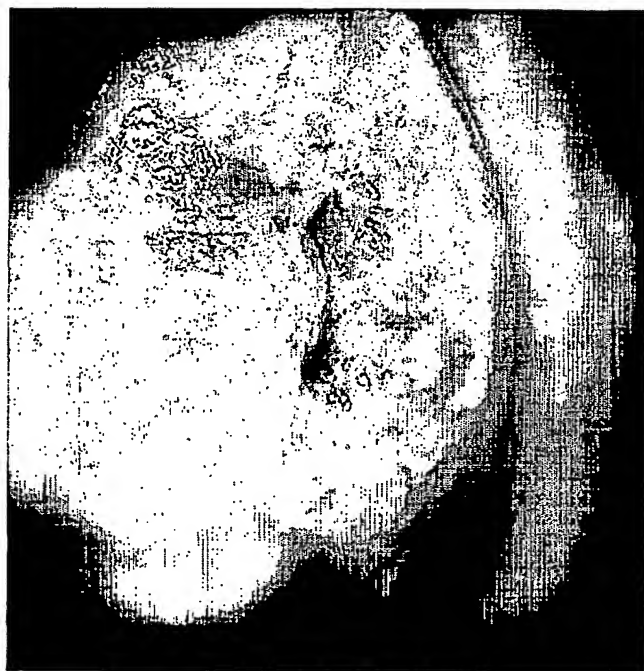


FIG. 107A

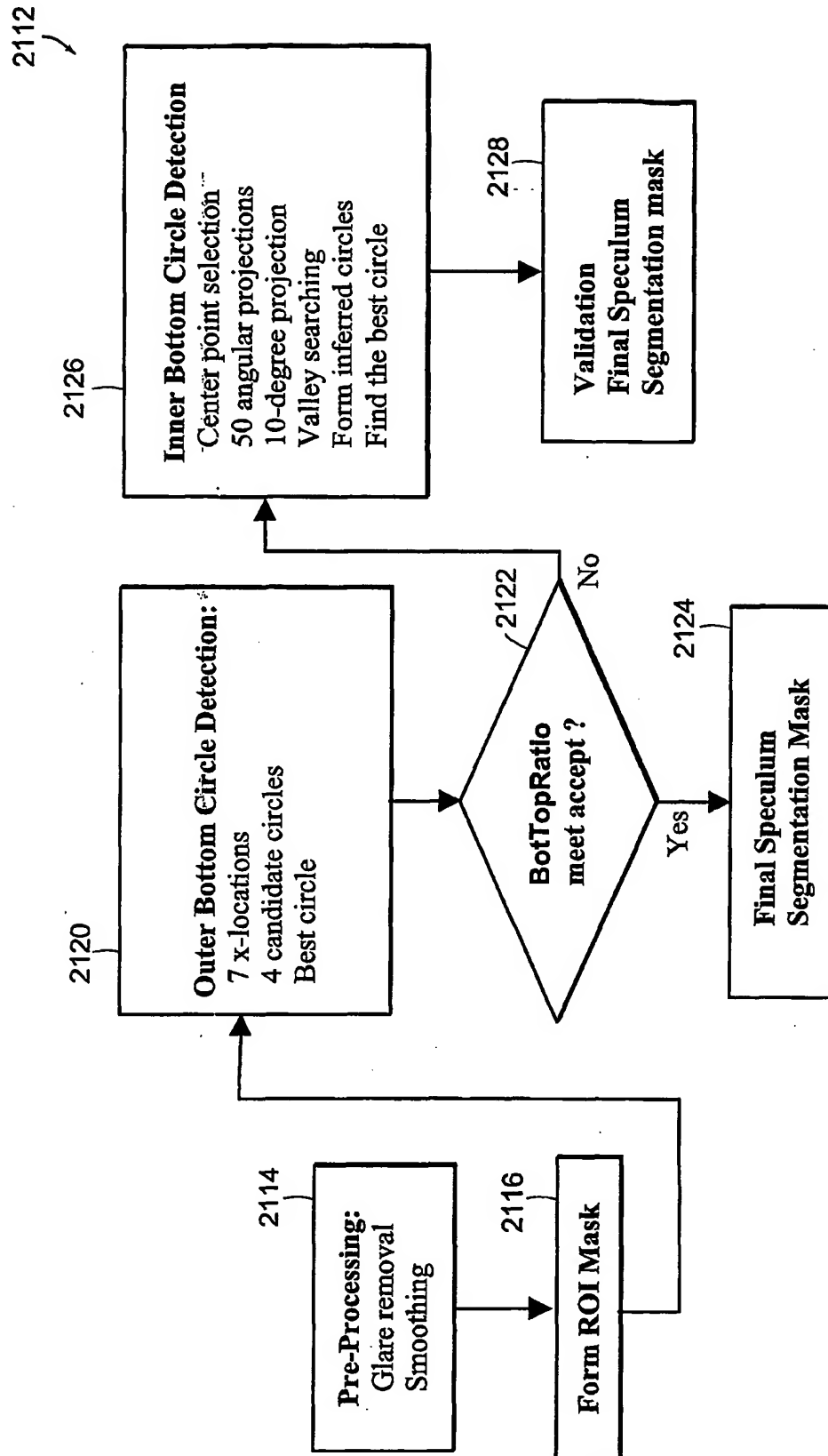


FIG. 108

2194



2195 FIG. 109B

2190



FIG. 109A

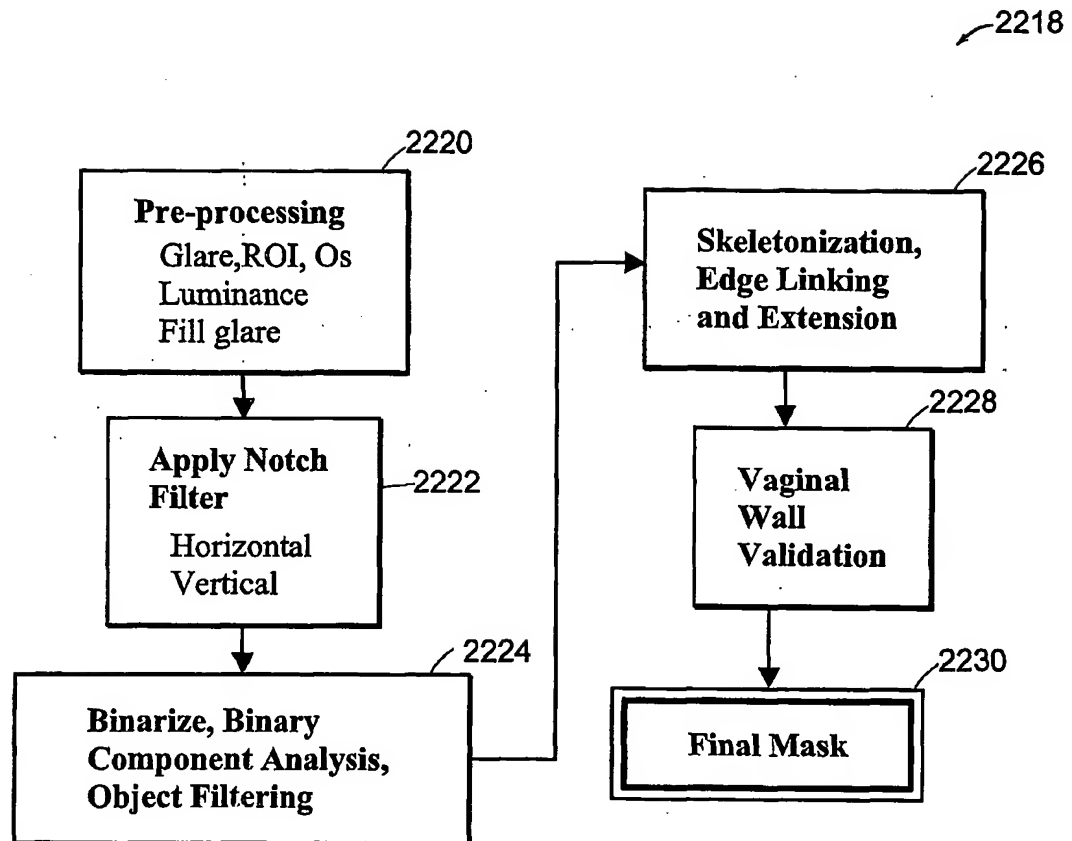


FIG. 110

2238



FIG. 111B

2234

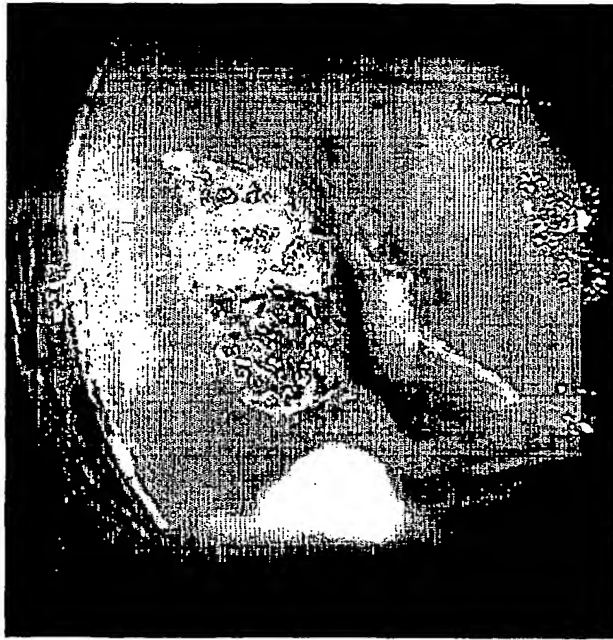


FIG. 111A

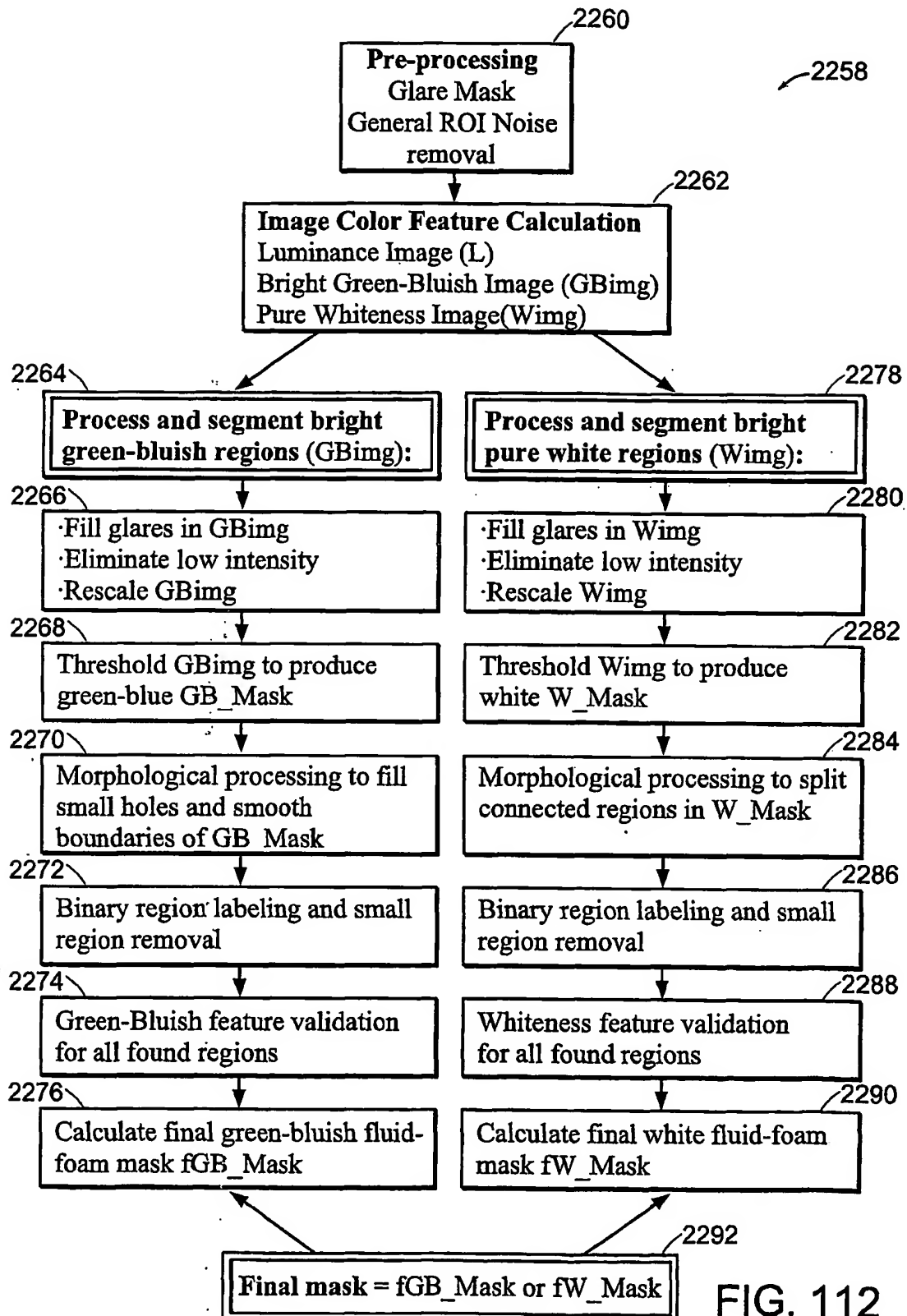


FIG. 112

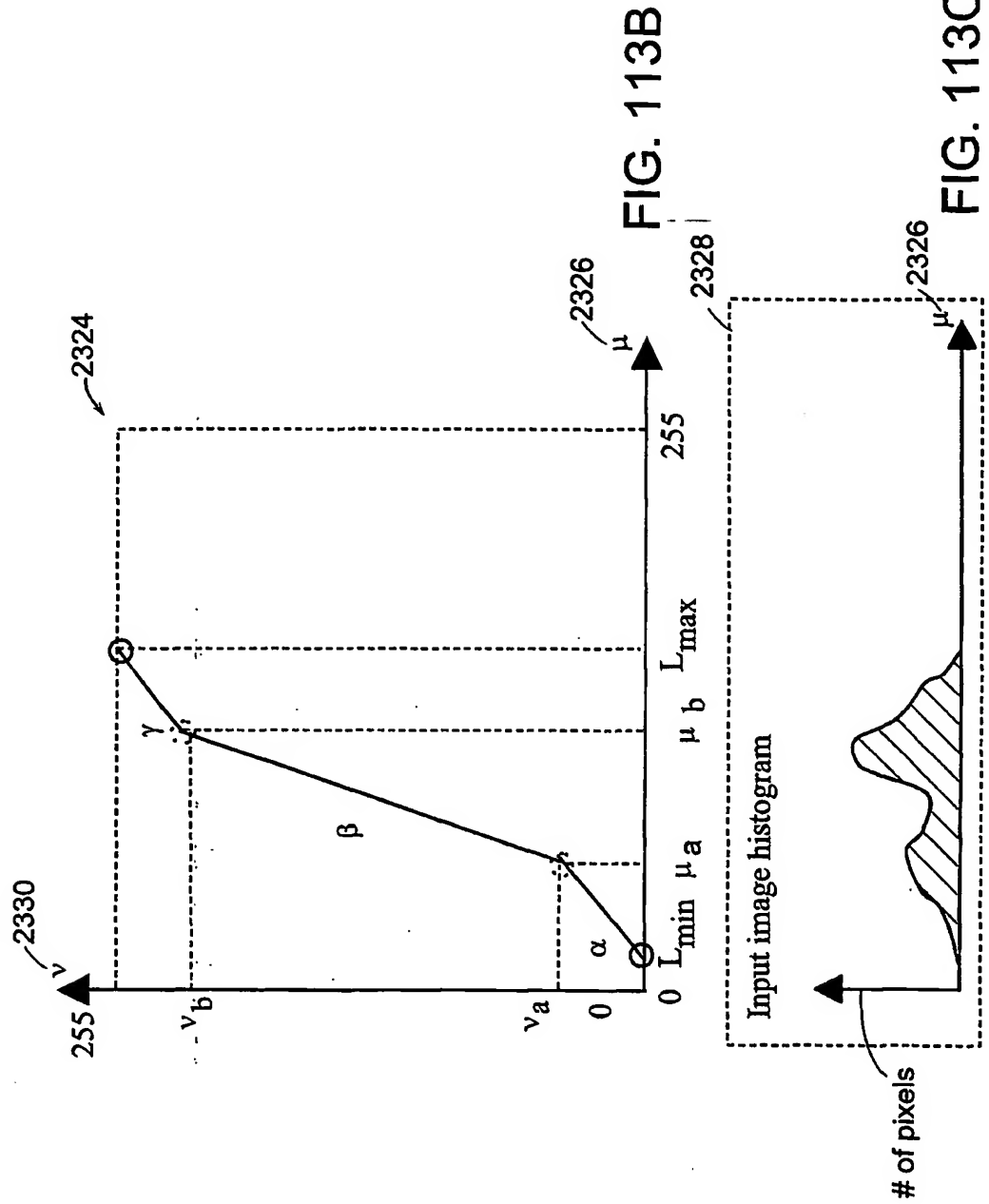
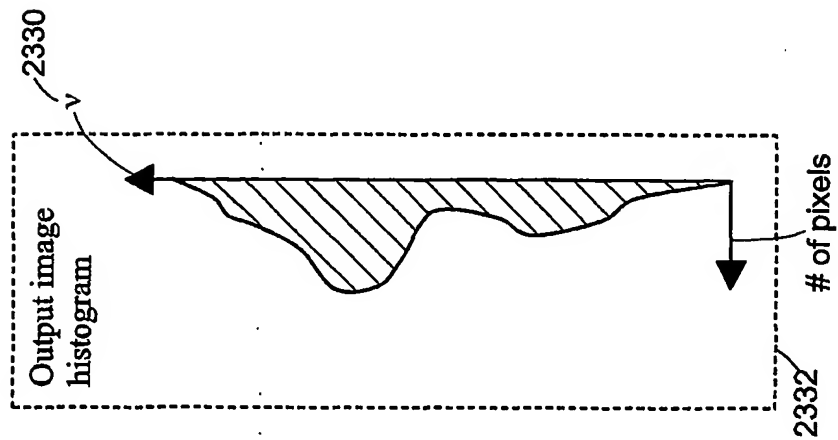


FIG. 113A

FIG. 113B

FIG. 113C



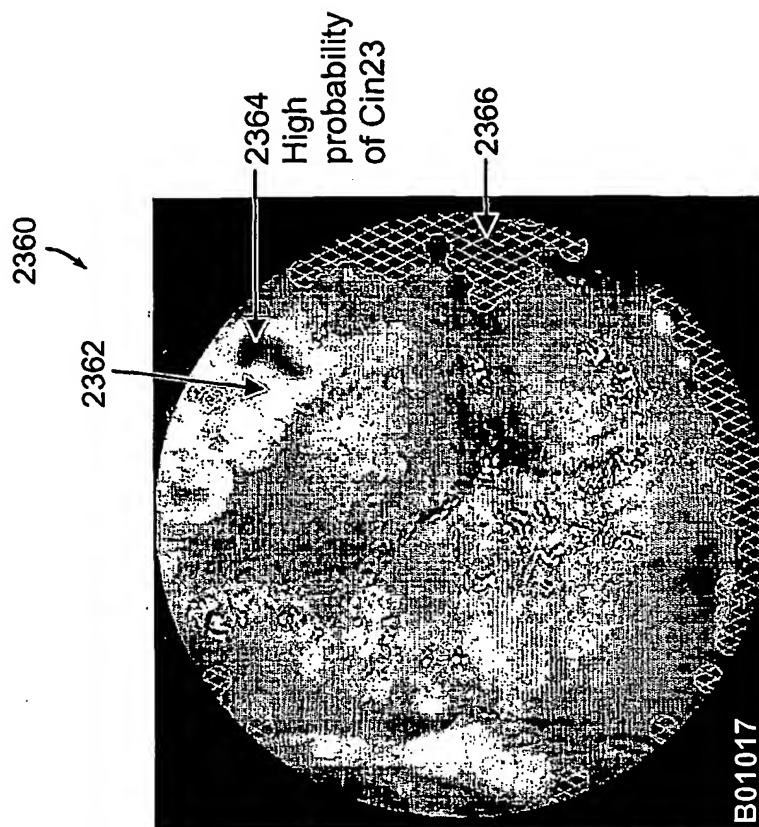


FIG. 114B

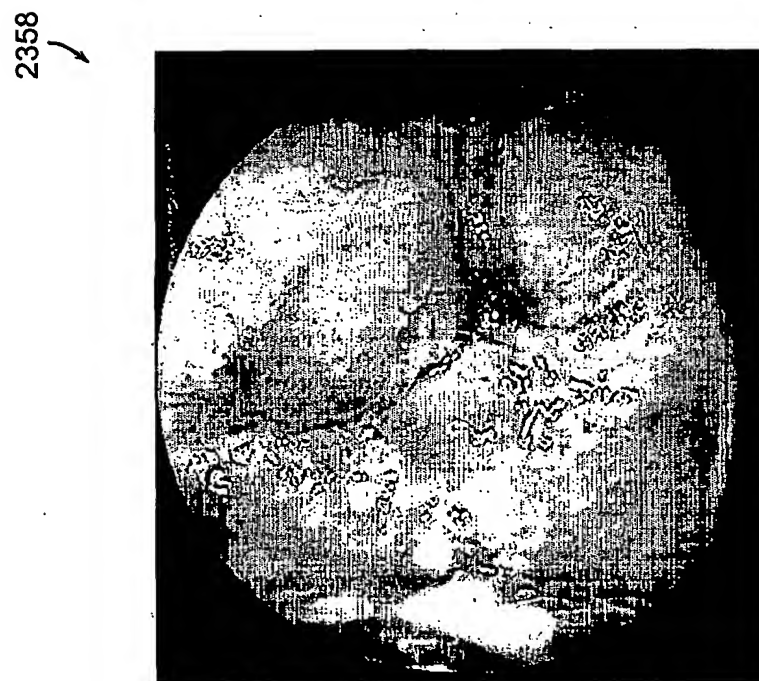


FIG. 114A



FIG. 115B

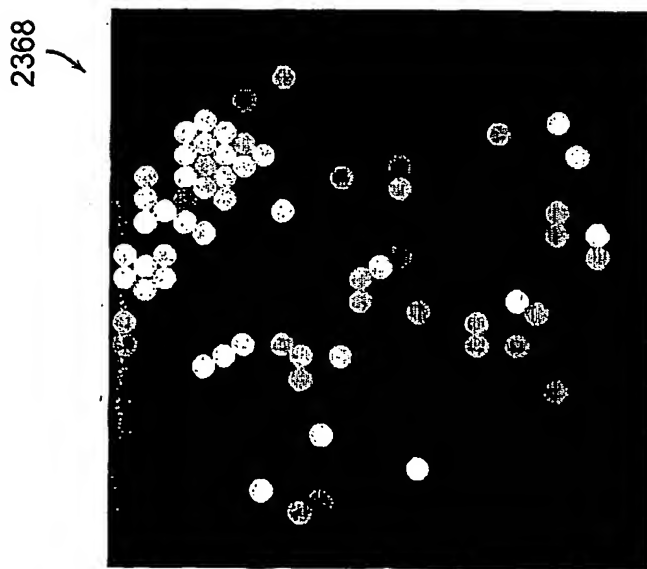
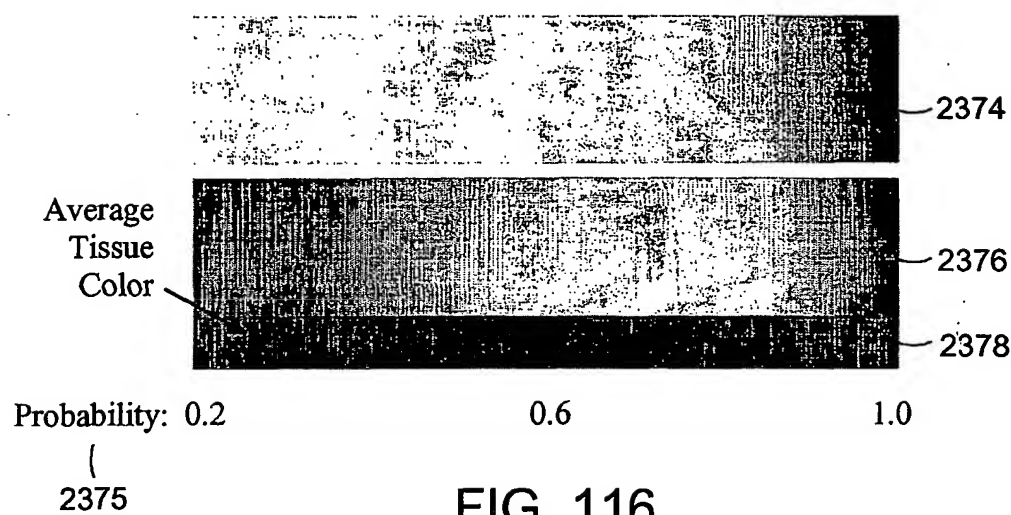


FIG. 115A



2396

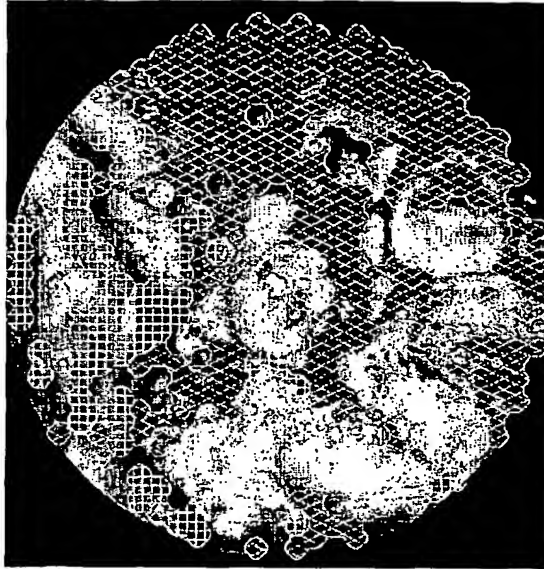
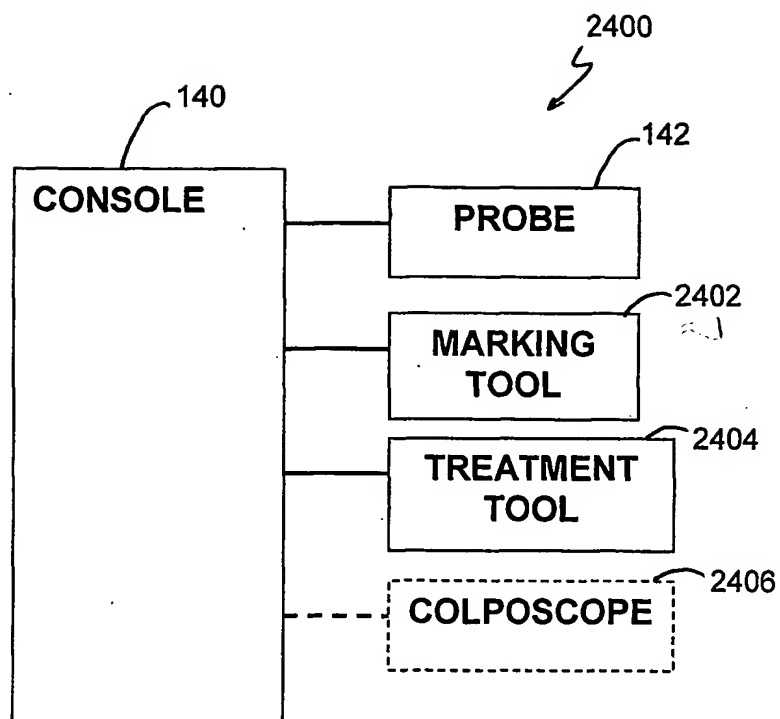


FIG. 117B

2388



FIG. 117A

**FIG. 118**

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☒ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**